EN

FR

ES

FM/AM CD Receiver

CDA-9831
CDA-9830

- OWNER'S MANUAL
  Please read before using this equipment.
- MODE D'EMPLOI
  Veuillez lire avant d'utiliser cet appareil.
- MANUAL DE OPERACIÓN
  Léalo antes de utilizar este equipo.

ALPINE ELECTRONICS MARKETING, INC.
1-1-8 Nishi Gotanda,
Shinagawa-ku,
Tokyo 141-0031, Japan
Phone 03-5496-8231

ALPINE ELECTRONICS OF AMERICA, INC.
19145 Gramercy Place, Torrance,
California 90501, U.S.A.
Phone 1-800-ALPINE-1 (1-800-257-4631)

ALPINE ELECTRONICS OF CANADA, INC.
7300 Warden Ave., Suite 203, Markham,
Ontario L3R 9Z6, Canada
Phone 1-800-ALPINE-1 (1-800-257-4631)

ALPINE ELECTRONICS OF AUSTRALIA PTY. LTD.
6-8 Fiveways Boulevarde Keysborough,
Victoria 3173, Australia
Phone 03-9769-0000

ALPINE ELECTRONICS GmbH
Frankfurter Ring 117, 80807 München, Germany
Phone 089-32 42 640

ALPINE ELECTRONICS OF U.K. LTD.
Alpine House
Fletchamstead Highway, Coventry CV4 9TW, U.K.
Phone 0870-33 33 763

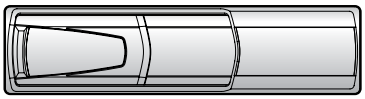
ALPINE ELECTRONICS FRANCE S.A.R.L.
(RCS PONTOISE B 338 101 280)
98, Rue de la Belle Etoile, Z.I. Paris Nord II,
B.P. 50016, 95945 Roissy Charles de Gaulle
Cedex, France
Phone 01-48638989

ALPINE ITALIA S.p.A.
Viale C. Colombo 8, 20090 Trezzano
Sul Naviglio (MI), Italy
Phone 02-484781

ALPINE ELECTRONICS DE ESPAÑA, S.A.
Portal de Gamarra 36, Pabellón, 32
01013 Vitoria (Alava)-APDO 133, Spain
Phone 945-283588

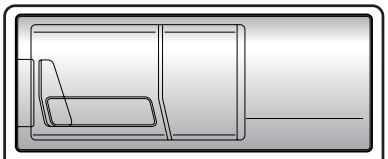
Melyi Printing Factory, Dalian, China
No. 28 Chang Qing Street, XI Gang District, Dalian, China

Designed by ALPINE Japan
Printed in China (Y)
68P02294K99-O



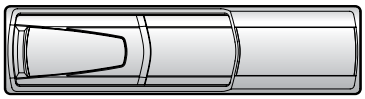
CHA-S634

- CD changer for CDA-9831/CDA-9830.
- Changeur CD pour CDA-9831/CDA-9830.
- Cambiador de CD para CDA-9831/CDA-9830.



CHA-1214

- CD changer for CDA-9831/CDA-9830.
- Changeur CD pour CDA-9831/CDA-9830.
- Cambiador de CD para CDA-9831/CDA-9830.



CHM-S630

Alpine CD Changers Give You More!

More musical selections, more versatility, more convenience.

The CHA-S634 is a high-performance 6-disc changer with a new M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK and CD TEXT. The CHA-1214 Ai-NET model holds 12 discs, and the CHM-S630 M-Bus model is a super-compact 6-disc changer with a CD-R/RW PLAY BACK.

Changeurs de CD Alpine : vous avez le choix!

Plus de sélections musicales, plus de souplesse, plus de confort.

Le modèle CHA-S634 est un changeur 6 disques ultra performant équipé des nouvelles fonctions M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK et CD TEXT. Le modèle CHA-1214 Ai-NET contient 12 disques. Le modèle CHM-S630 M-Bus est un changeur 6 disques super compact doté de la fonction CD-R/RW PLAY BACK.

¡Los cambiadores Alpine de CD le ofrecen más!

Más selecciones musicales, más versatilidad y más ventajas.

CHA-S634 es un cambiador de seis discos de alto rendimiento con nuevo M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK y CD TEXT. El modelo CHA-1214 Ai-NET alberga 12 discos y el modelo CHM-S630 M-Bus es un cambiador de seis discos de tamaño reducido con un CD-R/RW PLAY BACK.

Contents

Operating Instructions

⚠ WARNING

WARNING **3**
CAUTION **3**
PRECAUTIONS **3**

Getting Started

Turning Power On and Off 6
Initial System Start-Up 6
Setting Time 6
Opening and Closing the Movable Display 6
Display Tilt Adjustment 6
Adjusting Volume 7
Lowering Volume Quickly 7
Changing the Display Type 7
Detaching and Attaching the Front Panel 7

Radio

Changing the Radio Frequencies for each Country 8
Listening to Radio 8
Manual Storing of Station Presets 8
Automatic Memory of Station Presets 8
Tuning to Preset Stations 8
Station Title Search Function 9
Frequency Search Function 9

CD/MP3/WMA

Playback 9
Playing back a Playlist 10
Repeat Play 11
M.I.X. (Random Play) 11
Scanning Programs 12
Searching from CD Text 12
File/Folder Name Search (concerning MP3/WMA) 12
Quick Search 12
About MP3/WMA 12

Sound Setting

Adjusting Balance (Between Left and Right)/ Fader (Between Front and Rear)/Defeat 14
Adjusting and Storing the built-in Crossover 14
Recalling the Stored built-in Crossover Settings 14
Equalizer Presets 15
Adjusting and Storing the Equalizer Curve 15
Recalling the Stored Equalizer Curve 15
About Time Correction 16
Bass Focus 16
Adjusting and Storing the Time Correction 18
Recalling the Stored Time Correction Settings 18
Setting the MX Mode 18

Other Functions

Displaying the Title/Text 19
Titling Discs/Stations 20
Erasing Disc Title/Station Title 20
Displaying Time 20
Blackout Mode On and Off 20
Setting an Amplifier Link (CDA-9831 only) 21
Displaying the External Amplifier Information (CDA-9831 only) 21
Setting the Multicolor Illumination (CDA-9831 only) 22
Changing the Lighting Color of All the Buttons (CDA-9831 only) 22
Verifying the Software Version 22

Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and /or other countries.

i-Personalize™ Operation (CDA-9831 only)

About i-Personalize™ 23
Data Downloading 23

SETUP

Sound Customizing

Switching the Tuner Mode 24
Subwoofer On and Off 24
Sound (Beep) Guide Function 24

Visual Customizing

Dimmer Control (CDA-9831 only) 24
Scroll Setting 24
Adjusting Display Contrast (CDA-9831 only) 25
Demonstration 25

MP3/WMA

Playing MP3/WMA Data 25

External Device

Turning Mute Mode On/Off 25
Setting the AUX Mode (V-Link) 25
Connecting to an External Amplifier 25
Setting the Temperature Display for the External Amplifier (CDA-9831 only) 25
Setting the Tone Defeat for External Devices ... 25

XM Radio (Optional)

Receiving XM Channels with the XM Receiver (Optional) 26
Checking the XM Radio ID Number 26
Storing XM Channel Presets 26
Receiving Stored XM Channels 26
Channel/Category Search Function 27
Quick Search Function 27
Changing the Display 27
Setting the Tuning Method 27
Setting the Auxiliary Data Field Display 27

MobileHub™ Link Operation (Optional)

About MobileHub™ Link 28
Telephone Mode ON/OFF 28
Incoming Calls 28
Setting the Automatic Calling 28
Calling 29
SMS (Short Message Service) Operation 29

Changer (Optional)

Controlling CD Changer (Optional) 30
Playing MP3 Files with the CD Changer (Optional) 30
Multi-Changer Selection (Optional) 30

Remote Control

Controls on Remote Control 31
Operating the Audio Processor 31
Battery Replacement 32

Information

In Case of Difficulty 32
Specifications 35

Installation and Connections

Warning 36
Caution 36
Precautions 36
Installation 37
Connections 38

LIMITED WARRANTY

Operating Instructions

WARNING

⚠ WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING.

Failure to do so may result in an accident.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.

Doing so may result in personal injury or damage to the product.

⚠ CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.

When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury.

KEEP FINGERS AWAY WHILE THE MOTORIZED FRONT PANEL OR MOVING MONITOR IS IN MOTION.

Failure to do so may result in personal injury or damage to the product.

⚠ PRECAUTIONS

Temperature

Be sure the temperature inside the vehicle is between +60°C (+140°F) and –10°C (+14°F) before turning your unit on.

Moisture Condensation

You may notice the CD playback sound wavering due to condensation. If this happens, remove the disc from the player and wait about an hour for the moisture to evaporate.

Damaged Disc

Do not attempt to play cracked, warped, or damaged discs. Playing a bad disc could severely damage the playback mechanism.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

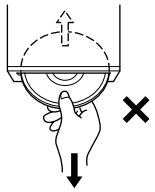
⚠ PRECAUTIONS

Product Cleaning

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

Never Attempt the Following

Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism.
Do not attempt to insert a disc into the unit when the unit power is off.

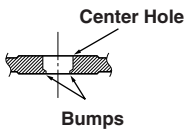


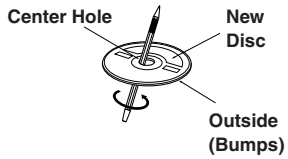
Inserting Discs

Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.
Make sure the label side is facing up when you insert the disc. Your player will automatically eject any disc that is inserted incorrectly. If the player continues to eject a correctly inserted disc, push the RESET switch with a pointed object such as a ballpoint pen.
Playing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player.

New Discs

As a protective measure to prevent the CD from jamming, the CD player will automatically eject discs with irregular surfaces or inserted incorrectly. When a new disc is inserted into the player and ejected after initial loading, using your finger, feel around the inside of the center hole and outside edge of the disc. If you feel any small bumps or irregularities, this could inhibit proper loading of the disc. To remove the bumps, rub the inside edge of the hole and outside edge of the disc with a ballpoint pen or other such instrument, then insert the disc again.





Irregular Shaped Discs

Be sure to use round shape discs only for this unit and never use any special shape discs.
Use of special shape discs may cause damage to the mechanism.

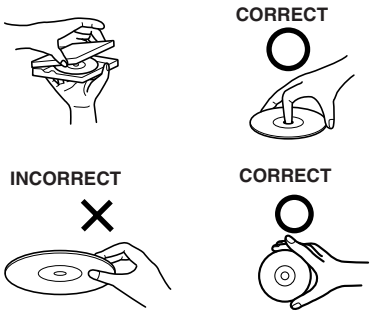
Installation Location

Make sure the CDA-9831/CDA-9830 will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

Correct Handling

Do not drop the disc while handling. Hold the disc so you will not leave fingerprints on the surface. Do not affix tape, paper, or gummed labels to the disc. Do not write on the disc.

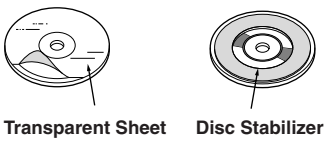


Disc Cleaning

Fingerprints, dust, or soil on the surface of the disc could cause the CD player to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the center of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.

Disc Accessories

There are various accessories available on the market for protecting the disc surface and improving sound quality. However, most of them will influence the thickness and/or diameter of the disc. Using such accessories can cause the disc to be out of standard specifications and may create operational problems. We recommend not using these accessories on discs played in Alpine CD players.



On handling Compact Discs (CD/CD-R/CD-RW)

- Do not touch the surface.
- Do not expose the disc to direct sunlight.
- Do not affix stickers or labels.
- Clean the disc when it is dusty.
- Make sure that there are no bumps around the disc.
- Do not use commercially available disc accessories.

Do not leave the disc in the car or the unit for a long time. Never expose the disc to direct sunlight. Heat and humidity may damage the CD and you may not be able to play it again.

To customers using CD-R/CD-RW

- If a CD-R/CD-RW cannot be played back, make sure the last recording session was closed (finalized).
- Finalize the CD-R/CD-RW if necessary, and attempt playback again.

About media that can be played.

Use only compact discs with the label side showing the CD logo marks below.

If you use unspecified compact discs, correct performance cannot be guaranteed.
You can play CD-Rs (CD-Recordable)/CD-RWs (CD-ReWritable) which have been recorded only on audio devices. You can also play CD-Rs/CD-RWs containing MP3/WMA formatted audio files.

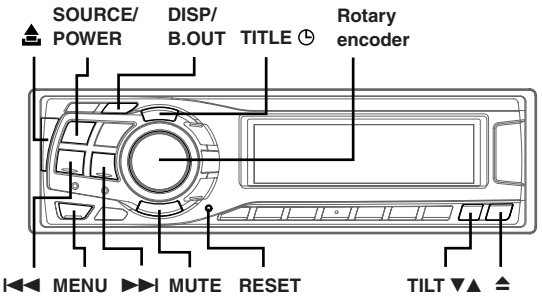
- Some of the following CDs may not play on this unit: Flawed CDs, CDs with fingerprints, CDs exposed to extreme temperatures or sunlight (e.g., left in the car or this unit), CDs recorded under unstable conditions, CDs on which a recording failed or a re-recording was attempted, copy-protected CDs which do not conform to the audio CD industry standard.
- Use discs with MP3/WMA files written in a format compatible with this unit. For details, see page 12-13.

About the alphanumeric display of CDA-9830.

- All English lower case characters are displayed as upper case on this unit.
- The alphanumeric display in the following table shows alphanumeric characters/numbers that may be difficult to distinguish.

Alphanumeric	0	2	5	6	8	A	B	D
Display	0	2	5	6	8	A	B	D
Alphanumeric	**G**	**H**	**K**	**M**	**Q**	**R**	**S**	**Z**
Display	G	H	K	M	Q	R	S	Z

Getting Started



Turning Power On and Off

Press SOURCE/POWER to turn on the unit.

- *The unit can be turned on by pressing any other button except eject ⏏ and **TITLE** ◷.*

Press and hold SOURCE/POWER for at least 2 seconds to turn off the unit.

- *The first time power is turned on, the volume will start from level 12.*

Initial System Start-Up

Be sure to press the RESET switch when using the unit for the first time, after installing the CD changer, after changing the car battery, etc.

1 **Turn off the unit power.**

2 **Press RESET with a ball-point pen or similar pointed object.**

Setting Time

1 **Press MENU to select SETUP.**

2 **Press I◄◄ or ►►I to select the CLOCK mode.**

3 **Turn the Rotary encoder to adjust the hours within 15 seconds.**

4 **When the hour has been adjusted, press the Rotary encoder.**

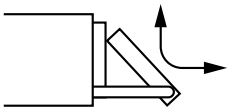
5 **Turn the Rotary encoder to adjust the minutes within 15 seconds.**

6 **When the setting has been completed, press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *To synchronize the clock to another clock/watch or radio time announcement, press and hold the **Rotary encoder** for at least 2 seconds after setting the "hour." Minutes will reset to 00. If the display shows over "30" minutes when you do this, the time will advance one hour.*

Opening and Closing the Movable Display

Press ⏏.
The movable display will open.

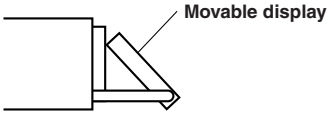


To close the movable display, press ⏏ again.
The movable display will close.

- *Do not apply shock to the movable display when it is open as it may result in malfunction of the unit.*
- *The display may be dim during low temperatures and immediately after turning on the power. The brightness will return to normal as time elapses.*
- *The display will stop at the set tilt angle when closing.*

Caution
Keep hands (or any other object) away from the display while it is opening or closing to avoid damage or injury. The back of the movable display will get very warm under normal operating conditions. This is not a malfunction. Do not touch.

Display Tilt Adjustment



The movable display may be adjusted to 3 different tilt angles depending upon user preference.

Press TILT ▼▲ to adjust the tilt angle of the movable display.

- *The display will close a half minute after the ignition key is turned to the OFF position.*
- *The adjusted tilt angle of the display is stored in memory. There is no need to re-adjust the tilt angle when the power is turned back on.*

Caution
Keep hands (or any other object) away from the display while it is opening or closing to avoid damage or injury. The back of the movable display will get very warm under normal operating conditions. This is not a malfunction. Do not touch.

Adjusting Volume

Turn the Rotary encoder until the desired sound is obtained.

Lowering Volume Quickly

Activating the Audio Mute function will instantly lower the volume level by 20 dB.

Press MUTE to activate the MUTE mode.
The audio level will decrease by about 20 dB.

Pressing MUTE again will bring the audio back to its previous level.

Changing the Display Type

There are three selectable display types (only one for the CDA-9830). You can also deactivate the display.

Press DISP/B.OUT to switch the display type.

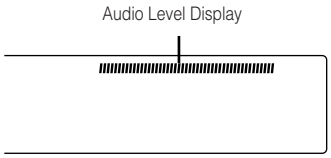
For CDA-9831:

Type1 → Type2 → Type3 → OFF → Type1

Type1 : The indicator on the left changes in a fixed sequence.
Type2 : The indicator on the left changes according to the setting (see "Setting the Multicolor Illumination" on page 22).
Type3 : The indicator on the left changes according to audio level.

For CDA-9830:

VOLUME SETTING → LEVEL INDICATOR → OFF → VOLUME SETTING



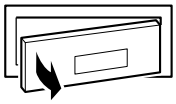
Detaching and Attaching the Front Panel

Detaching

1 **Turn off the unit power.**

2 **Press ⏏ (Release) at the upper left side until the front panel pops out.**

3 **Grasp the left side of the front panel and pull it out.**

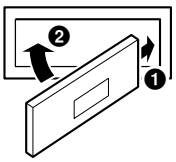


- *The front panel may become hot in normal usage (especially the connector terminals on the back of the front panel.) This is not a malfunction.*
- *To protect the front panel, place it in the supplied carrying case.*

Attaching

1 **Insert the right side of the front panel into the main unit. Align the groove on the front panel with the projections on the main unit.**

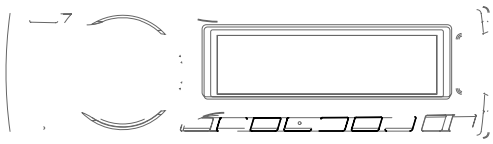
2 **Push the left side of the front panel until it locks firmly into the main unit.**



- *Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.*
- *Attach the front panel carefully. Hold the panel by its sides to avoid pushing any buttons by mistake.*

Radio

SOURCE/ POWER **TUNE/ A.ME** **BAND/ TEL.** **SEARCH**



I◄◄ MENU ►►I **Rotary encoder** **Preset buttons (1 through 6)**

Changing the Radio Frequencies for each Country

For customers not living in North America, change the radio frequencies as follows.

1 **Press MENU to select the SETUP mode.**

2 **Select the "AREA" mode by pressing I◄◄ or ►►I.**

3 **Choose either AREA 1 or AREA 2 by turning the Rotary encoder.**

AREA 1: Radio frequencies for North America
AREA 2: Other Radio frequencies

4 **Press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *The stored radio stations will be cleared every time you change the setting.*

Listening to Radio

1 **Press SOURCE/POWER until a radio frequency appears in the display.**

2 **Press BAND/TEL. repeatedly until the desired radio band is displayed.**

FM1 → FM2 → AM → FM1

3 **Press TUNE/A.ME to select the tuning mode.**

SEEK DX (Distance mode) → SEEK LO (Local mode) → MANUAL (Manual mode) → SEEK DX

- *The initial mode is DX SEEK (Distance mode).*

Distance mode:
Both strong and weak stations will be automatically tuned in (Automatic Seek Tuning).
Local mode:
Only strong stations will be automatically tuned in (Automatic Seek Tuning).
Manual mode:
The frequency is manually tuned in steps (Manual tuning).

4 **Press I◄◄ or ►►I to tune in the desired station.**
Holding down I◄◄ or ►►I will change the frequency continuously.

- *The ST indicator appears on the display when a stereo FM station is tuned in.*

Manual Storing of Station Presets

1 **Select the radio band and tune in a desired radio station you wish to store in the preset memory.**

2 **Press and hold, for at least 2 seconds, any one of the preset buttons (1 through 6) that you want to store the station on .**
The selected station is stored.
The display shows the band, preset no. and station frequency memorized.

- *A total of 18 stations can be stored in the preset memory (6 stations for each band; FM1, FM2 and AM).*
- *If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.*

Automatic Memory of Station Presets

1 **Press BAND/TEL. repeatedly until the desired radio band is displayed.**

2 **Press and hold TUNE/A.ME for at least 2 seconds.**
The frequency on the display continues to change while the automatic memory is in progress. The tuner will automatically seek and store 6 strong stations in the selected band. They will be stored into buttons 1 to 6 in order of signal strength.
When the automatic memory has been completed, the tuner goes to the station stored in preset location no. 1.

- *If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began.*

Tuning to Preset Stations

1 **Press BAND/TEL. repeatedly until the desired band is displayed.**

2 **Press any one of the station preset buttons (1 through 6) that has your desired radio station in memory.**
The display shows the band, preset number and frequency of the station selected.

Station Title Search Function

If the title of a radio station is entered, you can search for that radio station by its title while listening to the currently received radio station.

1 **Press SEARCH in Radio mode to switch to Title Search mode.**
The first title input blinks in the display.

2 **Select the desired title by turning the Rotary encoder within 10 seconds.**

3 **Press the Rotary encoder to receive the frequency of the selected title.**

- *Search mode in Title Search mode is canceled by pressing and holding **SEARCH** for at least 2 seconds.*
- *If a station has no title, "NO TITLE" is displayed for 2 seconds.*

Frequency Search Function

You can search for a radio station by its frequency.

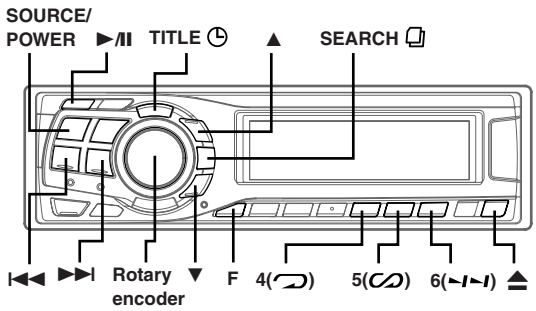
1 **Press and hold SEARCH for at least 2 seconds in Radio mode to activate Frequency Search mode.**

2 **Turn the Rotary encoder within 10 seconds to select the desired frequency.**

3 **Press the Rotary encoder to receive the selected frequency.**

- *Search mode in Frequency Search mode is canceled by pressing and holding **SEARCH** for at least 2 seconds.*

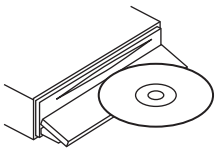
CD / MP3 / WMA



Playback

1 **Press ⏏.**
The movable display will open.

2 **Insert a disc with the label side facing up.**
The disc will be pulled into the unit automatically.



The movable display will close and playback will begin. When a disc is already inserted, press SOURCE/POWER to switch to the CD mode.

The mode will change every time the button is pressed.

TUNER → CD → CD CHANGER* → TUNER

* *Only when the CD changer is connected*

3 **While playing back MP3/WMA, press ▲ or ▼ to select the desired folder.**
Pressing and holding ▲ or ▼ will change folders continuously.

4 **Press I◀◀ or ▶▶I to select the desired track (file).**

Returning to the beginning of the current track (file):
Press I◀◀.

Fast backward :
Press and hold I◀◀.

Advancing to the beginning of the next track (file) :
Press ▶▶I.

Fast forward :
Press and hold ▶▶I.

5 **To pause playback, press ▶/II.**
Pressing ▶/II again will resume playback.

6 **To eject the disc, press ⏏.**

- *Do not remove a CD during its eject cycle. Do not load more than one disc at a time. A malfunction may result from doing either.*
- *If the CD does not eject, press and hold ⏏ for at least 2 seconds with the movable display open.*

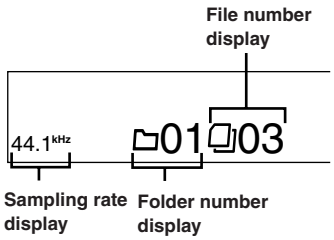
Continued

- *The CD-player can play discs containing audio data, MP3 data and WMA data.*
- *A WMA format file that is protected by DRM (Digital Rights Management) cannot be played back on this unit.*
- *"MP3" is displayed during MP3 playback.*
- *"WMA" is displayed during WMA playback.*
- *The track display for MP3/WMA data playback is the file numbers recorded on the disc.*
- *If the HDA-5460 model is connected to the unit, some operations (for example changing the source, selecting the file by holding buttons up or down, etc.), can be carried out on this unit.*

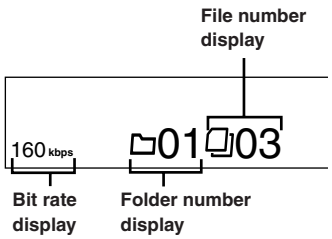
MP3/WMA Play Display

CDA-9831

The folder number, file number, sampling rate, and bit rate will be displayed as described below.



The sampling rate and the bit rate (frame display) are alternately displayed.*

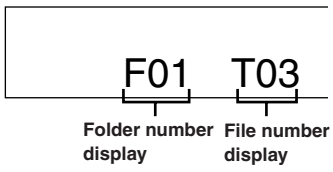


*When the unit is connected to the Amplifier Link, the temperature is automatically indicated.

Sampling rate → Bit rate → Temperature → Sampling rate

CDA-9830

The folder number and file number will be displayed as described below.



- *Press **TITLE** ◷ to switch the display. Please see "Displaying the Title/Text" (page 19) for information about display switching.*

Playing back a Playlist

You can play playlists you have prepared in advance on the computer. Both MP3 and WMA playlists can be played.
Playlists that can be played back by this device have the file extension "m3u"/"asx."

Press ▲ or ▼ to select a playlist.

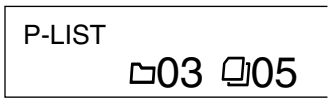
By pressing and holding ▲ or ▼, the playlists move up or down continuously.

- *If there is a playlist and folder on the disc, the playlist starts to play back prior to the folder.*
- *Up to 5 playlist can be played back. Playlists from the 6th onwards cannot be played back.*
- *Refer to the software instruction manual on how to create a playlist.*

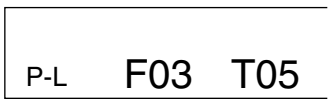
Playlist Display

While playing back a playlist, the folder and file numbers that are stored in the playlist are displayed.

CDA-9831



CDA-9830



Repeat Play

Press 4 (↻) to play back repeatedly the track being played.
The track (file) will be played repeatedly.

Press 4 (↻) again and select OFF to deactivate repeat play.

CD mode :

RPT : Only a track is repeatedly played back
↓ *1
RPT ◎ : A disc is repeatedly played back
↓
(off)

**1 When a CD changer is connected*

- *If REPEAT is set to ON during M.I.X. play in CD changer mode, M.I.X. will apply to the current disc only.*

MP3/WMA mode :

RPT : Only a file is repeatedly played back
↓
RPT 🗀 : Only files in a folder or playlist are repeatedly played back
↓ *2
RPT ◎ : A disc is repeatedly played back
↓
(off)

**2 When an MP3 compatible CD changer is connected*

- *If a 6-disc CD changer or an MP3 compatible CD changer is connected:*
  *In CD changer mode, press **F** to illuminate the "FUNC" indicator, and go to the step above within 5 seconds.*
- *If a 12-disc CD changer is connected:*
  *In CD changer mode, press **F** twice to illuminate the "FUNC" indicator, and go to the step above within 5 seconds.*

M.I.X. (Random Play)

Press 5 (⤭) in the play or pause mode.
The tracks (files) on the disc will be played back in random sequence.

To cancel M.I.X. play, press 5 (⤭) again.

CD mode :

M.I.X.: Track are played back in random sequence.
↓ *3
◎ M.I.X.: The tracks on all the CDs in the current magazine will be included in the random playback sequence.
↓
(off)

**3 When a CD changer equipped with the All M.I.X. function is connected*

- *If M.I.X. is set to ON during RPT ◎ (REPEAT ALL) play in CD changer mode, M.I.X. will apply to the current disc only.*

MP3/WMA mode :

🗀 M.I.X.: Only files in a folder are played back in random sequence.
↓
◎ M.I.X.: Files are played back in random sequence. If an MP3 compatible CD changer is connected, all files in a disc are played back in random sequence, and playback shifts to the next disc.
↓
(off)

- *If a 6-disc CD changer or an MP3 compatible CD changer is connected:*
  *In CD changer mode, press **F** to illuminate the "FUNC" indicator, and go to the step above within 5 seconds.*
- *If a 12-disc CD changer is connected:*
  *In CD changer mode, press **F** twice to illuminate the "FUNC" indicator, and go to the step above within 5 seconds.*
- *When playing back a playlist, M.I.X. cannot be played.*

Scanning Programs

Press 6 (⌐I¬I) to activate the Scan mode.
The first 10 seconds of each track (file) will be played back in succession.

To stop scanning, press 6 (⌐I¬I) and deactivate the Scan mode.

- *If a 6-disc CD changer or an MP3 compatible CD changer is connected:*
  *In CD changer mode, press **F** to illuminate the "FUNC" indicator, and go to the step above within 5 seconds.*
- *If a 12-disc CD changer is connected:*
  *In CD changer mode, press **F** twice to illuminate the "FUNC" indicator, and go to the step above within 5 seconds.*

Searching from CD Text

Tracks can be searched and played using the CD text on the disk. In the case of discs and changers that do not support text, searches can be made using the track numbers.

1 **Press SEARCH ⧉ during play.**
This will set the search mode.

2 **Turn the Rotary encoder to select the desired track, then press the Rotary encoder.**
This will play the selected track.

- *Press and hold **SEARCH** ⧉ for at least 2 seconds in the search mode to cancel. Or, the search mode will be canceled when an operation has not been performed in 10 seconds.*
- *CD text search cannot be made during M.I.X. play.*

File/Folder Name Search (concerning MP3/WMA)

You can display and search for the folder and file name while listening to the file currently being played back.

1 **Press SEARCH ⧉ to select File Name Search mode or Folder Name Search mode in MP3/WMA mode.**

File Name Search mode

2 **Press ▲ or ▼ to select another Folder or Playlist.**

3 **Select the desired file by turning the Rotary encoder within 10 seconds.**

4 **Press the Rotary encoder to play back the selected file.**

- *File Name Search mode is canceled by pressing and holding **SEARCH** ⧉ for at least 2 seconds.*
- *While in File Name Search mode, press **SEARCH** ⧉ to switch to Folder Name Search mode.*
- *File Name Search cannot be made during M.I.X. play.*
- *File Name Search cannot be made while playing back a playlist.*

Folder Name Search mode

2 **Turn the Rotary encoder within 10 seconds to select the desired folder or playlist.**

3 **Press the Rotary encoder to play back the first file in the selected folder or playlist.**

- *Search mode is canceled by pressing and holding **SEARCH** ⧉ for at least 2 seconds in Folder Name Search mode.*
- *While in Folder Name Search mode, press **SEARCH** ⧉ to switch to File Name Search mode.*
- *"NO FILE" is displayed for 2 seconds if the folder or playlist that is selected by the Folder Name Search mode contains no files.*
- *"0 (zero)" is displayed for the root folder.*
- *Folder Name Search cannot be made during M.I.X. play.*

Quick Search

You can search for tracks(files).

1 **Press and hold SEARCH ⧉ for at least 2 seconds in the CD/Changer/MP3/WMA mode to activate Quick Search mode.**

2 **Turn the Rotary encoder within 10 seconds to select a desired track(file).**
The selected track is played back immediately.

- *Search mode is canceled by pressing and holding **SEARCH** ⧉ for at least 2 seconds in Quick Search mode.*

About MP3/WMA

CAUTION
Except for private use, duplicating audio data (including MP3/WMA data) or distributing, transferring, or copying it, whether for free or for a fee, without permission of the copyright holder is strictly prohibited by the Copyright Act and by international treaty.

What is MP3?

MP3, whose official name is “MPEG-1 Audio Layer 3,” is a compression standard prescribed by the ISO, the International Standardization Organization and MPEG which is a joint activity institution of the IEC.

MP3 files contain compressed audio data. MP3 encoding is capable of compressing audio data at extremely high ratios, reducing the size of music files to as much as one-tenth their original size. This is achieved while still maintaining near CD quality. The MP3 format realizes such high compression ratios by eliminating the sounds that are either inaudible to the human ear or masked by other sounds.

What is WMA?

WMA, or “Windows Media™ Audio,” is compressed audio data.
WMA allows you to create music files and store them at higher ratios of compression than MP3 audio data (approx. half original size). This is achieved while still maintaining CD quality sound.

Method for creating MP3/WMA files

Audio data is compressed by using MP3/WMA specified software. For details on creating MP3/WMA files, refer to the user's manual for that software.
MP3/WMA files that can be played back by this device have the file extension “mp3” / “wma”. Files with no extension cannot be played back. (WMA ver. 7.1 and 8 are supported)

Supported playback sampling rates and bit rates

MP3
Sampling rates: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz
Bit rates: 8 - 320 kbps

WMA
Sampling rates: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz
Bit rates: 48 - 192 kbps
Note that for sampling rates, this device's frame display (Page 19) may not display correctly.
This device may not play back correctly depending on sampling rates.

ID3 tags/WMA tags

This device supports ID3 tag v1 and v2, and WMA tag.
If tag data is in an MP3/WMA file, this device can display the title (track title), artist name, and album name ID3 tag/WMA tag data.

This device can only display single-byte alphanumeric characters (up to 30 for ID3 tags and up to 15 for WMA tags) and the underscore. For non-supported characters, “NO SUPPORT” ("NO SUPRT" for CDA-9830) is displayed.
The tag information may not be correctly displayed, depending on the contents.

Producing MP3/WMA discs

MP3/WMA files are prepared, then written to a CD-R or CD-RW using CD-R writing software. A disc can hold up to 256 folders and 999 files (including Root Folders).

Media supported

The media that this device can play back are CD-ROMs, CD-Rs, and CD-RWs.

Corresponding File Systems

This device supports discs formatted with ISO9660 Level 1 or Level 2.

Under the ISO9660 standard, there are some restrictions to remember.
The maximum nested folder depth is 8 (including the root directory). File/folder names are limited to 30 characters (including the extension).
Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and ‘_’ (underscore).

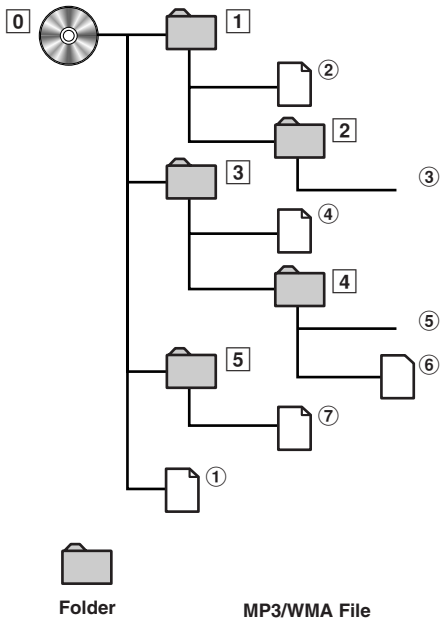
This device also can play back discs in Joliet, Romeo, etc., and other standards that conform to ISO9660. However, sometimes the file names, folder names, etc., are not displayed correctly.

Formats supported

This device supports CD-ROM XA, Mixed Mode CD, Enhanced CD (CD-Extra) and Multi-Session.
This device cannot correctly play back discs recorded with Track At Once or packet writing.

Order of tracks

The unit plays the files in the order that the writing software writes them. Therefore, the playing order may not be the same as the order you input. The playback order of the folders and files is as follows. However, the folder and file playback order differs from the folder no. and file no. indicated on the display.



Terminology

Bit rate
This is the “sound” compression rate specified for encoding. The higher the bit rate, the higher the sound quality, but also the larger the files.

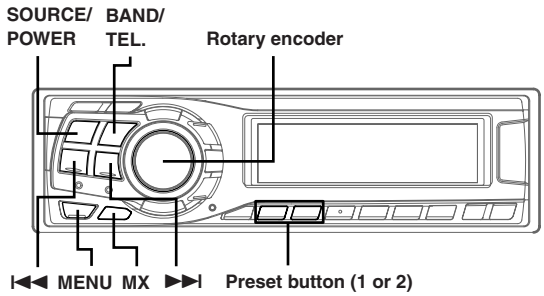
Sampling rate
This value shows how many times per second the data is sampled (recorded). For example, music CDs use a sampling rate of 44.1 kHz, so the sound is sampled (recorded) 44,100 times per second. The higher the sampling rate, the higher the sound quality, but also the larger the volume of data.

Encoding
Converting music CDs, WAVE (AIFF) files, and other sound files into the specified audio compression format.

Tag
Song information such as track titles, artist names, album names, etc., written into MP3/WMA files.
MP3: ID3 tag
WMA: WMA tag

Root folder
The root folder is found at the top of the file system. The root folder contains all folders and files.

Sound Setting



Adjusting Balance (Between Left and Right)/ Fader (Between Front and Rear)/Defeat

1 **Press Rotary encoder repeatedly to choose the desired mode.**

Each press changes the modes as follows:

SUBWOOFER*/ → BALANCE → FADER → DEFEAT → VOLUME → SUBWOOFER*/

Subwoofer : 0 ~ +15
Balance : L15 ~ R15
Fader : R15 ~ F15
Defeat : ON/OFF
Volume : 0 ~ 35

Press I◄◄ or ►►I after selecting the Subwoofer mode, and the subwoofer output phase is toggled NORMAL (PHASE 0°) or REVERS (PHASE 180°).

- *If the Rotary encoder is not pressed within 5 seconds after selecting the BALANCE, FADER, DEFEAT or SUBWOOFER mode, the unit automatically returns to normal mode.*

*/ *When the subwoofer mode is set to OFF, its level and phase cannot be adjusted.*

2 **Turn the Rotary encoder until the desired sound is obtained in each mode.**
By setting Defeat ON, previously adjusted settings of EQ will return to the factory defaults and MX is turned off.

- *Depending on the connected devices, some functions and display indications do not work.*

Adjusting and Storing the built-in Crossover

The High and Low Pass Filters on this unit can be adjusted to suit your personal taste.

1 **Press and hold MENU for at least 2 seconds.**

2 **Press MENU to select HPF/LPF.**

3 **Press BAND/TEL. to change the setting mode.**

HPF ↔ LPF*

* *When the subwoofer output of this unit is turned off, LPF and phase are deactivated.*

4 **Turn the Rotary encoder to select the desired setting.**

HPF (Setting the High Pass Filter):
FLAT (OFF) ↔ 80Hz ↔ 120Hz ↔160Hz

All frequencies above the selected cutoff are output.

LPF (Setting the Low Pass Filter):
FLAT (OFF) ↔ 80Hz ↔ 120Hz ↔160Hz

All frequencies below the selected cutoff are output.
(Only available when using the subwoofer output from this unit.)

To store the adjusted contents

1) Press and hold, for at least 2 seconds, the preset buttons (1 or 2) into which you wish to store the adjusted contents.

5 **Press the Rotary encoder to confirm the adjusted contents.**
The adjusted contents are not stored if the Rotary encoder is not pressed.

6 **After setting, press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *The setting mode returns to normal mode if no buttons are pressed within 15 seconds.*
- *These functions are inoperative when an external, Ai-NET processor is connected.*
- *Except when the HPF and LPF is turned OFF, the subwoofer is in monaural mode.*
- *When the subwoofer is set to OFF, LPF mode and change of phase does not work.*

Recalling the Stored built-in Crossover Settings

1 **Press and hold MENU for at least 2 seconds.**

2 **Press MENU to select HPF/LPF.**

3 **Press the preset button (1 or 2) to which your desired built-in crossover settings are assigned.**

4 **Press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *The setting mode returns to normal mode if no buttons are pressed within 15 seconds.*

Equalizer Presets

10 typical equalizer settings are preset at the factory for a variety of musical source material.

1 **Press MENU to select Factory's EQ (P-EQ for CDA-9830).**

2 **Press either I◄◄ or ►►I.**
With each press of the button, the equalizer mode will display the selected equalizer characteristic.

FLAT(OFF) ↔ ROCK ↔ POPS ↔ JAZZ & BLUES (JAZZ) ↔ ELECTRICAL (ELECTRIC) ↔ HIPHOP & RAP (HIPHOP) ↔ EASY LISTEN (EASY) ↔ COUNTRY ↔ CLASSICAL (CLASSIC) ↔ NEWS ↔ USER'S EQ 1,2 (USERS 1,2) ↔ FLAT(OFF)

3 **Press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *This function is inoperable when DEFEAT is set to ON (page 14).*
- *EQ mode is automatically canceled if no buttons are pressed within 15 seconds.*
- *By selecting USER'S EQ 1 or EQ 2 (USERS 1 or USERS 2 for CDA-9830), you can recall the stored preset number in "Adjusting and Storing the Equalizer Curve."*

Adjusting and Storing the Equalizer Curve

You can modify the Equalizer settings to create a response curve more appealing to your personal taste.

1 **Press and hold MENU for at least 2 seconds.**

2 **Press MENU to select USER'S EQ (USERS for CDA-9830).**

3 **Press BAND/TEL. to select your desired frequency band.**

BAND1 → BAND2 → BAND3 → BAND4 → BAND1

4 **Press I◄◄ or ►►I to select your desired frequency.**
Adjustable frequency bands:
BAND1 : 40Hz, 60Hz, 90Hz
BAND2 : 100Hz, 150Hz, 200Hz
BAND3 : 500Hz, 700Hz, 1kHz, 2kHz, 4kHz, 6kHz
BAND4 : 10kHz, 12.5kHz, 15kHz

5 **Turn the Rotary encoder to adjust the level.**

6 **Press SOURCE/POWER to select your desired band width (Q).**
Adjustable band width:
BAND1 : 1.0, 2.0, 3.0,
BAND2 : 1.0, 1.5, 2.0
BAND3 : 1.0, 2.0, 3.0
BAND4 : 1.0 (fixed band width)

To store the adjusted curve

1) Press and hold, for at least 2 seconds, the preset buttons (1 or 2) into which you wish to store the adjusted curve.

7 **To set another channel, repeat steps 3 to 6.**

8 **Press the Rotary encoder to confirm the adjusted contents.**
The adjusted contents are not stored if the Rotary encoder is not pressed.

9 **After setting, press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *EQ mode is automatically canceled if no buttons are pressed within 15 seconds.*
- *This function is inoperable when DEFEAT is set to ON (page 14).*

Recalling the Stored Equalizer Curve

1 **Press and hold MENU for at least 2 seconds.**

2 **Press MENU to select USER'S EQ (USERS for CDA-9830).**

3 **Press either preset button (1 or 2) to activate your desired curve.**

4 **Press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

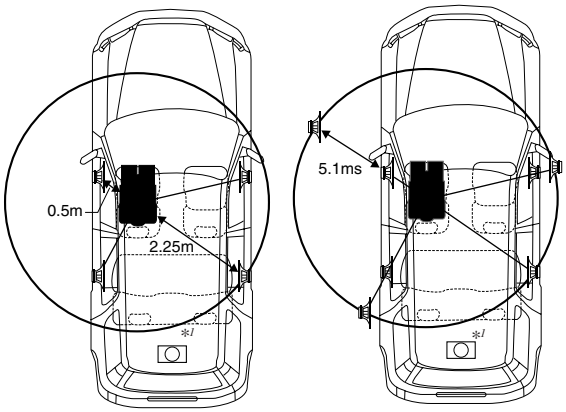
- *EQ mode is automatically canceled if no operation is performed within 15 seconds.*
- *This function is inoperable when DEFEAT is set to ON (page 14).*
- *You can recall the adjusted equalizer curve from "Equalizer Presets" (this page).*

About Time Correction

The distance between the listener and the speakers in a car vary widely due to the complex speaker placement. This difference in the distances from the speakers to the listener creates a shift in the sounds image and frequency characteristics. This is caused by the time delay between the sound reaching the listener's right versus the left ear.
To correct this, the CDA-9831/CDA-9830 is able to delay the audio signal to the speakers closest to the listener. This effectively creates a perception of increased distance for those speakers. The listener can be placed at an equal distance between the left and right speakers for optimum staging.
The adjustment will be made for each speaker in 0.1 ms steps.

Example 1. Listening Position: Front Left Seat

Adjust the time correction level of the front left speaker to a high value and the rear right to zero or a low value.



[1] Subwoofer speaker.
*You cannot change the Time Correction value for the subwoofer, but you can set the subwoofer's apparent position to the front by adjusting the Time Correction value of the front and rear speakers. For details, refer to the " *1 " on page 17.*

The sound is not balanced because the distance between the listening position and the various speakers is different.
The difference in distance between the front left speaker and the rear right speaker is 1.75 m (68-7/8").

Here we calculate the time correction value for the front left speaker in the diagram on the above.

Conditions:
Farthest Speaker – listening position : 2.25 m (88-9/16")
Front left speaker – listening position : 0.5 m (19-11/16")
Calculation: L = 2.25 m – 0.5 m = 1.75 m (68-7/8")
Time correction = 1.75 ÷ 343*2 × 1000 = 5.1 (ms)

[2] Speed of sound: 343 m/s (765 mph) at 20˚C

In other words, giving the front left speaker a time correction value of 5.1 ms makes it seem as if its distance from the listener is the same as the distance to the farthest speaker.

Time correction eliminates the differences in the time required for the sound to reach the listening position.
The time of the front left speaker is corrected by 5.1 ms so that its sound reaches the listening position at the same time as the sound of other speakers.

Example 2. Listening Position: All Seats

Adjust the time correction level of each speaker to almost the same level.

1 **Sit in the listening position (driver's seat, etc.) and measure the distance (in meters) between your head and the various speakers.**

2 **Calculate the difference between the distance to the farthest speaker and the other speakers.**
L = (distance to farthest speaker) – (distance to other speakers)

3 **Divide the distances calculated for the speakers by the speed of sound (343 m/s (765 mph) at 20˚C).**
These values are the time correction values for the different speakers.

Bass Focus

The time difference between the front-rear/left-right speakers, can be adjusted at the same time. With an initial delay of 0.1 ms for each of the 0 to 99 steps, audible time correction can be done.

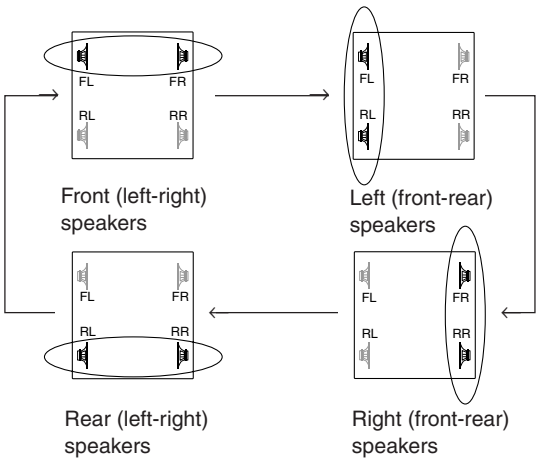
1 **Press and hold MENU for at least 2 seconds.**

2 **Press MENU to select T.CORR (T-CORR for CDA-9830).**

3 **Press ◀◀ or ▶▶ to select the Bass Focus mode.**

Bass Focus mode ↔ Time Correction mode

4 **Press BAND/TEL. to select the speakers to be adjusted (see below).**



5 **Turn the Rotary encoder to adjust the delay (see Time Difference Table).**

6 **To set another channel (speakers), repeat steps 4 and 5.**

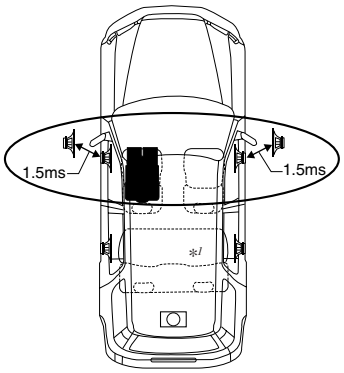
7 **Press the Rotary encoder to confirm the adjusted contents.**
The adjusted contents are not stored if the Rotary encoder is not pressed.

8 After setting, press MENU to select RETURN.
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

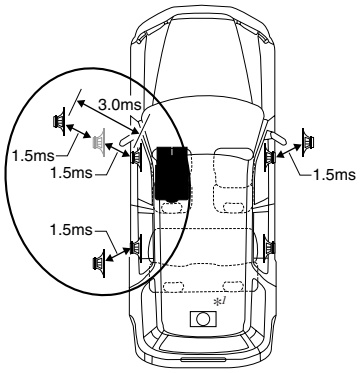
- *Any manual time correction adjustments will also affect corrections made in Bass Focus.*
- *Bass Focus mode is automatically canceled if no operation is performed within 15 seconds.*

Example setting for steps 4 and 5

(1) Press BAND/TEL. to select the front (left and right) speakers. Then turn the Rotary encoder to select 1.5 ms (Delay no. 15 in the table). The time difference is 1.5 ms for both front (left and right speakers.



(2) Press BAND/TEL. to select the left (front and rear) speakers. Then turn the Rotary encoder to select 1.5 ms (Delay no. 15 in the table). The time difference is 3.0 ms*2 for the front left speaker, and 1.5ms for the left rear speaker, creating the impression of an equal listening between the front left speaker and the other speakers.



**1 Subwoofer speaker.*
*Delay (turn the **rotary encoder**) the audio signal to the front (left and right) speakers to make the apparent position of the subwoofer to be at the front. In doing this, the apparent position between the front (left and right) speakers and subwoofer will appear equal to the driver. After performing the above, you can change the positions of the left and right speakers by delaying the time .*

**2 Because the time difference was already set to 1.5 ms for the front left speaker to begin with, the additional correction of 1.5 ms makes the total time difference of the front left speaker 3.0 ms.*

Time Difference Table

Delay Number	Time Difference (ms)	Distance cm (inch)	Delay Number	Time Difference (ms)	Distance cm (inch)
0	0.0	0.0	51	5.1	174.9 (68-7/8")
1	0.1	3.4 (1-3/8")	52	5.2	178.4 (70-1/4")
2	0.2	6.9 (2-3/4")	53	5.3	181.8 (71-9/16")
3	0.3	10.3 (4-1/16")	54	5.4	185.2 (72-7/8")
4	0.4	13.7 (5-3/8")	55	5.5	188.7 (74-1/4")
5	0.5	17.2 (6-13/16")	56	5.6	192.1 (75-5/8")
6	0.6	20.6 (8-1/8")	57	5.7	195.5 (77")
7	0.7	24.0 (9-7/16")	58	5.8	198.9 (78-5/16")
8	0.8	27.4 (10-13/16")	59	5.9	202.4 (79-11/16")
9	0.9	30.9 (12-3/16")	60	6.0	205.8 (81")
10	1.0	34.3 (13-1/2")	61	6.1	209.2 (82-3/8")
11	1.1	37.7 (14-13/16")	62	6.2	212.7 (83-3/4")
12	1.2	41.2 (16-1/4")	63	6.3	216.1 (85-1/16")
13	1.3	44.6 (17-9/16")	64	6.4	219.5 (86-3/8")
14	1.4	48.0 (18-7/8")	65	6.5	223.0 (87-3/4")
15	1.5	51.5 (20-1/4")	66	6.6	226.4 (89-1/8")
16	1.6	54.9 (21-5/8")	67	6.7	229.8 (90-1/2")
17	1.7	58.3 (22-15/16")	68	6.8	233.2 (91-13/16")
18	1.8	61.7 (24-1/4")	69	6.9	236.7 (93-3/16")
19	1.9	65.2 (25-5/8")	70	7.0	240.1 (94-1/2")
20	2.0	68.6 (27")	71	7.1	243.5 (95-7/8")
21	2.1	72.0 (28-3/8")	72	7.2	247.0 (97-1/4")
22	2.2	75.5 (29-11/16")	73	7.3	250.4 (98-9/16")
23	2.3	78.9 (31-1/16")	74	7.4	253.8 (99-7/8")
24	2.4	82.3 (32-3/8")	75	7.5	257.3 (101-1/4")
25	2.5	85.8 (33-3/4")	76	7.6	260.7 (102-5/8")
26	2.6	89.2 (35-1/8")	77	7.7	264.1 (104")
27	2.7	92.6 (36-7/16")	78	7.8	267.5 (105-5/16")
28	2.8	96.0 (37-3/4")	79	7.9	271.0 (106-11/16")
29	2.9	99.5 (39-13/16")	80	8.0	274.4 (108-1/16")
30	3.0	102.9 (40-1/2")	81	8.1	277.8 (109-3/8")
31	3.1	106.3 (41-7/8")	82	8.2	281.3 (110-3/4")
32	3.2	109.8 (43-1/4")	83	8.3	284.7 (112-1/16")
33	3.3	113.2 (44-9/16")	84	8.4	288.1 (113-1/16")
34	3.4	116.6 (45-7/8")	85	8.5	291.6 (114-3/4")
35	3.5	120.1 (47-5/16")	86	8.6	295.0 (116-1/8")
36	3.6	123.5 (48-5/8")	87	8.7	298.4 (117-1/2")
37	3.7	126.9 (49-15/16")	88	8.8	301.8 (118-13/16")
38	3.8	130.3 (51-5/16")	89	8.9	305.3 (120-3/16")
39	3.9	133.8 (52-11/16")	90	9.0	308.7 (121-1/2")
40	4.0	137.2 (54")	91	9.1	312.1 (122-7/8")
41	4.1	140.6 (55-3/8")	92	9.2	315.6 (124-1/4")
42	4.2	144.1 (56-3/4")	93	9.3	319.0 (125-9/16")
43	4.3	147.5 (58-1/16")	94	9.4	322.4 (126-7/8")
44	4.4	150.9 (59-3/8")	95	9.5	325.9 (128-5/16")
45	4.5	154.4 (60-3/4")	96	9.6	329.3 (129-5/8")
46	4.6	157.8 (62-1/8")	97	9.7	332.7 (131")
47	4.7	161.2 (63-7/16")	98	9.8	336.1 (132-5/16")
48	4.8	164.6 (64-3/4")	99	9.9	339.6 (133-11/16")
49	4.9	168.1 (66-3/16")			
50	5.0	171.5 (67-1/2")			

Adjusting and Storing the Time Correction

Before performing the following procedures, refer to "About Time Correction" (page 16).

1 Press and hold MENU for at least 2 seconds.

2 Press MENU to select T.CORR (T-CORR for CDA-9830).

3 Press I◄◄ or ►►I to make time corrections.

Each press changes the mode as follows:

Bass Focus mode ↔ Time Correction mode

4 Press BAND/TEL. to select a speaker to be adjusted.

CDA-9831
Front – L → Front – R → Rear – L → Rear – R → Front – L

CDA-9830
F – L → F – R → R – L → R – R → F – L

5 Turn the Rotary encoder to adjust the desired time correction value.

To store the adjusted contents

1) Press and hold, for at least 2 seconds, the preset buttons (1 or 2) into which you wish to store the adjusted contents.

6 Repeat step 4 and 5 to set another speaker.

7 Press the Rotary encoder to confirm the adjusted contents.

The adjusted contents are not stored if the Rotary encoder is not pressed.

8 After setting, press MENU to select RETURN.

The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *If no operation is performed in 15 seconds, the unit returns to normal mode.*

Recalling the Stored Time Correction Settings

1 Press and hold MENU for at least 2 seconds.

2 Press MENU to select T.CORR (T-CORR for CDA-9830).

3 Press I◄◄ or ►►I to make time corrections.

Each press changes the mode as follows:

Bass Focus mode ↔ Time Correction mode

4 Press the preset button (1 or 2) to which your desired time correction is assigned.

5 Press MENU to select RETURN.

The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *Time Correction mode is automatically canceled if no operation is performed within 15 seconds.*

Setting the MX Mode

MX (Media Xpander) makes vocals or instruments sound distinct regardless of the music source. The FM radio, CD, and MP3, will be able to reproduce the music clearly even in cars with a lot of road noise.

1 Press MX to select MX ON.

2 Press SOURCE/POWER to select the source to which you want to apply MX (Media Xpander).

3 Press and hold MX for at least 2 seconds to activate the level setting mode.

4 Turn the Rotary encoder to select your preferred level or OFF.

FM (MX level 1 to 3):
The medium to high frequencies become clearer, and produces well balanced sound at all frequencies.

CD/WAV (MX level 1 to 3):
CD mode processes a large amount of data during playback. MX takes advantage of this large data quantity to reproduce a more clear, clean output.

MP3/WMA/XM (MX level 1 to 3):
This corrects information that was lost at the time of compression. This reproduces a well-balanced sound close to the original.

DVD (Video CD)
(MOVIE MX level 1 to 2):
The dialog portion of a video is reproduced more clearly.

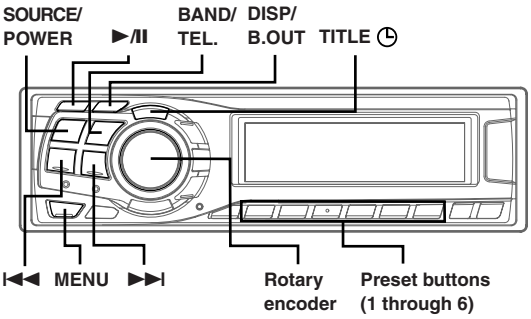
(MUSIC MX level 1):
A DVD or Video CD contains a large quantity of data such as music clip. MX uses this data to reproduce the sound accurately.

AUX (MX level 1):
Choose the MX mode (MP3, MUSIC, or MOVIE) that corresponds to the media connected.
If two external devices are connected, a different MX mode for each media can be selected.

5 Press Rotary encoder to return to normal mode.

- *To cancel MX mode for all music sources, press MX to turn MX off.*
- *MX mode is automatically canceled if no buttons are pressed within 15 seconds.*
- *Each music source, such as FM radio, CD, and MP3 can have its own MX setting.*
- *On disks with both MP3/WMA and CD-DA, when the source changes from "MP3/WMA to CD-DA" or "CD-DA to MP3/WMA," MX-mode switching may delay playback slightly.*
- *Setting to MX OFF sets MX mode of each music source to OFF.*
- *This function is inoperable when DEFEAT is set to ON.*
- *There is no MX mode for AM radio.*
- *If an audio processor with the MX function (PXA-H700, etc.) is connected, its own MX processing is applied to the music source. Since the processor MX settings may not match the head unit, the audio processor needs to be adjusted. For details, refer to the Owner's Manual of the audio processor.*

Other Functions



Displaying the Title/Text

It is possible to display the CD/Station title if the title has been previously inputted ("Titling Discs/Stations" page 20). Text information, such as the disc name and the track name, will be displayed if playing a CD text compatible disc. It is also possible to display the folder name, the file name, and the tag, etc., while playing MP3/WMA files.

Press TITLE ◷.

The display will change every time the button is pressed.

The display in Radio mode:

FREQUENCY → CLOCK → TITLE → EXTERNAL AMPLIFIER INFORMATION*5 → FREQUENCY

The display in CD mode:

TRACK NO./ELAPSED TIME → TRACK NO./CLOCK → TEXT (DISC NAME)*1 → TEXT (TRACK NAME)*2 → TITLE → EXTERNAL AMPLIFIER INFORMATION*5 → TRACK NO./ELAPSED TIME

The display in MP3/WMA mode:

FILE NO./ELAPSED TIME → FOLDER NO./FILE NO. → FILE NO./CLOCK → FOLDER NAME*4 → FILE NAME → TRACK NAME*2 → ARTIST NAME*2 → ALBUM NAME*2 → FRAME*3 → EXTERNAL AMPLIFIER INFORMATION*5 → FILE NO./ELAPSED TIME

**1 Displayed during playback of a disc with CD Text.*
"NO TEXT" will be displayed when the CD contains no Text data.

**2 ID3 tag/WMA tag*
If an MP3/WMA file contains ID3 tag/WMA tag information, the ID3 tag/WMA tag information is displayed (e.g., track name, artist name, and album name). All other tag data is ignored.
"NO DATA" will be displayed when an MP3/WMA file contains no ID3 tag/WMA tag information.

**3 CDA-9830 only:*
The recording sampling rate and bit rate of the MP3/WMA file are displayed.

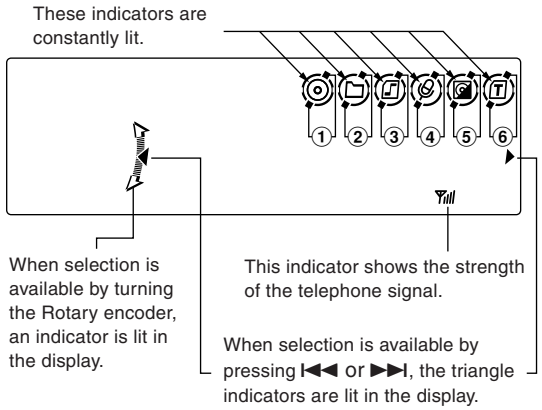
**4 "0 (zero)" is displayed for the folder name of the root folder.*

**5 Only when CDA-9831 is connected to an external Amplifier Link compatible amplifier. For details, refer to "Displaying the External Amplifier Information" (page 21).*

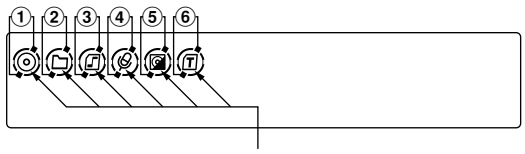
About the indicator display

When displaying Title/Text, the following indicators are lit according to the mode.

CDA-9831


These indicators are constantly lit.
1 2 3 4 5 6
When selection is available by turning the Rotary encoder, an indicator is lit in the display.
This indicator shows the strength of the telephone signal.
When selection is available by pressing I◄◄ or ►►I, the triangle indicators are lit in the display.

CDA-9830



Indicator/ Mode	CD Mode	MP3/WMA Mode	TUNER Mode	XM RADIO Mode
①	Title being displayed	—	—	—
②	—	Folder Name being displayed	—	—
③	—	File Name being displayed	—	—
④	—	Artist Name* being displayed	—	Artist Name being displayed
⑤	Text (Disc Name) being displayed	Album Name* being displayed	—	—
⑥	Text (Track Name) being displayed	Track Name* being displayed	Title being displayed	Music Title/ Channel Name being displayed

*Tag information

Continued

About “Title” and “Text”

Title:

With this device, it is possible to input the CD/Station name (this page). This inputted name is referred to as a “title.” You cannot input or display titles on MP3/WMA discs.

Text:

Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as “text.”

- *Some characters may not be displayed correctly with this device, depending on the character type.*
- *The CD changer must also be CD Text compatible for the Text information to be displayed.*
- *When the Scroll Setting (page 24) is set to “SCROLL MANUAL,” press and hold **TITLE** ◷ for at least 3 seconds to scroll the Text information only once (TEXT DISPLAY, FOLDER NAME DISPLAY, FILE NAME DISPLAY or TAG DISPLAY mode).*
- *“NO SUPPORT” (“NO SUPRT” for CDA-9830) is displayed when the desired text information cannot be displayed on this unit.*
- *If the title was not previously input, “NO TITLE” is displayed.*
- *The text or tag information may not be correctly displayed, depending on the contents.*

Titling Discs/Stations

It is possible to title your favorite CD's or radio stations.
You cannot input titles on MP3/WMA discs.

1 **Press TITLE ◷ and select the Title Display.**
For details, see “Displaying the Title/Text” (page 19).

2 **Press and hold TITLE ◷ for at least 2 seconds. The first character will blink.**

3 **Turn the Rotary encoder to select the desired letter/numeral/symbol available for naming.**

4 **Press Rotary encoder to store the first character.**
The first character will stop blinking and the display will automatically advance to the next character. When that character begins to blink, you may choose the next letter or symbol of your title.

5 **Repeat steps 3 and 4 above to complete the titling.**
Pressing the Rotary encoder after entering the 8th character automatically stores the title into memory.

When entering a title of less than 8 characters (for example, 3 character title):
After entering 3 characters, the 4th character space will be blinking. Go to step 6 to complete the title.

6 **Press TITLE ◷ to record the title.**

- *If you cancel while entering a title, selected characters are not written.*
- *You can enter 24 radio station titles and 18 CD titles on this unit. If you try to store beyond the limit, the display will show “FULL DATA.” At this point, no more titles can be stored. To input a new title, one of the previously inputted titles must first be deleted.*
- *The CD Changer title length or memory capacity varies depending upon the model being used.*
- *When you want to erase a title, enter the “▒” (“ ▒ ” for CDA-9830) symbol into all spaces.*
- *The operations described in steps 3 to 5 must be made within 10 seconds. The input mode will be canceled if no action is taken for over 10 seconds.*

Erasing Disc Title/Station Title

1 **Press TITLE ◷ to select the Title Display. Then, press again and hold for at least 2 seconds.**

2 **Press and hold ►/II for at least 2 seconds.**
The title in the display will blink.

3 **Press I◄◄ or ►►I repeatedly until the title you want to erase is displayed.**

4 **Press and hold ►/II for at least 2 seconds to erase the title displayed.**

5 **Press TITLE ◷ to cancel the title erasing mode.**

- *You cannot erase CD-TEXT.*
- *"NO DATA" is displayed for 2 seconds if the title is not input in step 2, or if all titles are erased in step 4.*

Displaying Time

Press TITLE ◷ repeatedly until the time is displayed.

Each press changes the display.
For details, see “Displaying the Title/Text” (page 19).

- *Selecting any tuner or CD function while in the clock priority mode will interrupt the time display momentarily. The function selected will be displayed for about 5 seconds before the time returns to the display.*
- *When the power is off but the ignition key is on, press **TITLE** ◷ to display the time.*

Blackout Mode On and Off

When Blackout mode is turned on, the display will turn off to reduce power consumption. This additional power enhances the sound quality.

Press and hold DISP/B.OUT for at least 2 seconds to activate the blackout mode.
The display will turn off.

- *If any button on the unit is pressed during the blackout mode, the function will be displayed for 5 seconds to show the operation before returning to Blackout mode.*

To cancel Blackout mode, press and hold DISP/B.OUT for at least 2 seconds.

Setting an Amplifier Link (CDA-9831 only)

With an external Amplifier Link compatible amplifier MRD-M501 or MRD-M301 is connected, the amplifier settings are adjustable from the head unit. A maximum of 8 external amplifiers can be adjusted.

1 **Press and hold MENU for at least 2 seconds.**

2 **Press MENU to select A-Link.**

3 **Press I◄◄ or ►►I to select AMP1 to 8, or BASS VOLUME.**

To set the BASS VOLUME

4 **Turn the Rotary encoder to adjust the level, then press the Rotary encoder.**

5 **When the adjustment has been completed, press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

To set the Amplifier

4 **Press BAND/TEL. to select from the following setting items to be adjusted.**

INPUT → LOW PASS → SUBSONIC → P-EQ → BASS COMP → T.CORR → PHASE → TURN ON DELAY→ OUTPUT DISABLE (SAFE) → INPUT

5 **Turn the Rotary encoder to change the settings.**

6 **Press the Rotary encoder.**
Repeat steps 5 and 6 (above) if there are other items to set in step 4.

7 **Repeat the steps 4 to 6 (above) if other settings will be adjusted.**
To set another amplifier, return to the step 3.

To store the adjusted contents

1) While adjusting the mode, press and hold either button (1 or 2) for at least 2 seconds.
The adjusted contents are stored.

To recall adjusted and stored contents

1) While adjusting the mode, press either button (1 or 2).
The adjusted and stored contents are recalled.

8 **When adjustment has been completed, press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

To easily recall adjusted and stored contents

1) Press MENU to select A-Link.
2) Press I◄◄ or ►►I to select AMP 1 to 8.
3) Turn the Rotary encoder to select Preset 1 or Preset 2.
4) Press MENU to select RETURN. The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

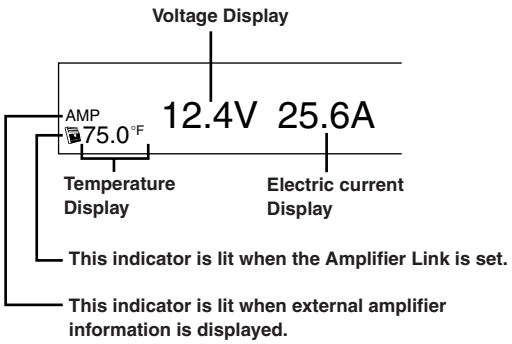
- *For details of each of the settings, refer to the Owner's Manual of the external amplifier.*
- *If amplifier settings are made on the CDA-9831 model, do not then change the setting with the amplifier buttons as the amplifier display may not match the operations of the CDA-9831 model.*
- *"NO Link" is displayed if the amplifier is removed or its power cannot be turned on, etc.*

Displaying the External Amplifier Information (CDA-9831 only)

When an external Amplifier Link compatible amplifier is connected, the external amplifier's information (voltage, electric current, temperature) can be shown in the display of the head unit.

1 **Press TITLE ◷ in the Radio or CD mode to switch the display of the external amplifier information.**

- *For switching the display, refer to the section "Displaying the Title/Text" (page 19).*
- *For changing the XM display, refer to the section "Changing the Display (page 27).*



- *To switch the display between Celsius and Fahrenheit, refer to page 25.*

Setting the Multicolor Illumination (CDA-9831 only)

You can change the lighting color of the following four buttons: SOURCE/POWER, BAND/TEL, ⏮ and ⏭.

1 **Press MENU to select Illumination.**

2 **Press ⏮ or ⏭ to select your desired color.**

BLUE ↔ GREEN ↔ AMBER ↔ RED ↔ (USER'S*) ↔ BLUE

* *You can use your desired colors as shown below if you have already registered to USER'S.*

If you want to use colors other than the above

3 **Turn the Rotary encoder to select colors (1 through 512).**
Each press of BAND advances the color number by 30.

1·····19·····184·····363·····512
(Red) (Amber) (Green) (Blue)

To store the setting contents

1) While setting the mode, press and hold any one of the preset buttons (1 through 6) for at least 2 seconds.
The setting contents are stored.

To recall the stored color setting

1) While setting the mode, press any one of the preset buttons (1 through 6).
The stored setting contents are recalled.

4 **When the setting has been completed, press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

• *"No Memory" is displayed if a preset that has not been stored is recalled.*

Changing the Lighting Color of All the Buttons (CDA-9831 only)

You can change the lighting color of the unit.

1 **Press MENU to select Illumination.**

2 **Press SOURCE/POWER.**
The lighting color of all the buttons are changed.
AMBER ON ↔ AMBER OFF(green)

3 **When the setting has been completed, press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

• *SOURCE/POWER, BAND/TEL, ⏮ and ⏭ buttons are changed to that which you have set above in "Setting the Multicolor Illumination" (this page).*

Verifying the Software Version

Current version software can be verified in the display.

1 **Press and hold MENU for at least 2 seconds.**

2 **Press MENU to select Information (INFO for CDA-9830).**
The version is displayed.

3 **Press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

i-Personalize™ Operation (CDA-9831 only)

SOURCE/ POWER **Rotary encoder**

I◄◄ MENU ►►I

About i-Personalize™

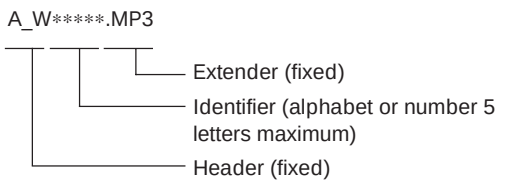
You can download data (from Alpine's website) to a CD-R and download and store the data to the CDA-9831.
To start i-Personalize, access the URL below and follow the on-screen instructions.

http://www.alpine.com or http://www.alpine-usa.com

Downloadable data

Parametric equalizer	Data is memorized in Preset 2 of the Parametric EQ mode.
Time correction	Data is memorized in Preset 2 of the Time Correction mode.
Crossover	Data is memorized in Preset 2 of the crossover mode.

The file name of download data shall be "A_W***.MP3."**



You can create a file name via the website. Do not change a file name once it has been created. Malfunction may result.

- *For details about procedures of download, see ALPINE's Web site.*
- *If the HDA-5460 model is connected to this unit, the HDA-5460 hard disc can be used. Data that has been stored in the hard disc is downloaded by the "Data Downloading" operation to CDA-9831. For details on how to download data to the hard disc, refer to the Owner's Manual of the HDA-5460 model.*
- *If an external audio processor is connected, data that is downloaded cannot be used.*

Data Downloading

1 **Insert the CD-R disc containing the data. If the source is not the CD mode, press SOURCE/ POWER to change to CD mode.**

2 **Press MENU to select the Download mode.**

3 **Press I◄◄ or ►►I to select "YES."**
Data search of the disc starts and the first file name is displayed.

- *Selecting "NO" and pressing MENU will cancel the download mode.*
- *If a file is not found by the data search, "No File" is indicated.*
- *The "No File" display will automatically disappear if no operation is performed for 5 seconds.*

4 **Turn the Rotary encoder to select files that are downloaded and then press the Rotary encoder to start.**
Data downloading starts.
If the MENU is pressed while downloading, download is canceled.

5 **When data download is finished successfully, the confirmation screen of each item is displayed for 2 seconds.**
Successfully downloaded items are indicated as checked boxes on the confirmation screen.

PARAMETRIC EQ data
The data is memorized in Preset 2 of Parametric EQ mode. The memorized data settings in Preset 2 (Parametric EQ mode) are automatically applied.

HPF/LPF (Cross over) data
The data is memorized in Preset 2 of HPF/LPF mode. The memorized data settings in Preset 2 (HPF/LPF mode) are automatically applied.

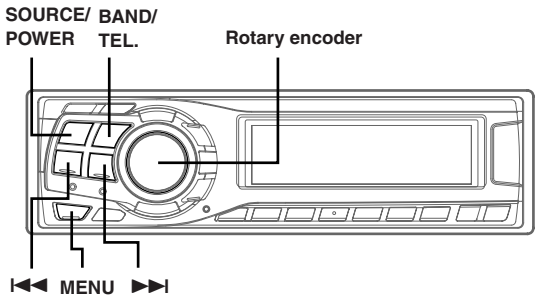
TIME CORRECTION data
The data is memorized in Preset 2 of the Time correction mode. The memorized data settings in Preset 2 (Time Correction mode) are automatically applied.

6 **Press MENU to select RETURN.**
The display returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *When you download the data again, the data is overwritten in Preset.*

SETUP

You can flexibly customize the unit to suit your own preferences and usage. Choose the SETUP menu from Sound Customizing, Visual Customizing, etc., to select your desired setting.



The common operation for SETUP is step 1 to 4 as follows. See down below for further information about each SETUP menu.

1 Press MENU to select the SETUP mode.
SETUP mode is activated.

2 Press I◄◄ or ►►I to select the desired SETUP menu.
(e.g. Select BEEP)

CDA-9831

CLOCK*1 ↔ TUNER MODE ↔ DIMMER ↔ SUBWOOFER ↔ PLAY MODE ↔ BEEP ↔ TEXT SCROLL ↔ INT MUTE ↔ INT AUDIO ↔ AUX IN ↔ (AUX NAME)*2↔ POWER-IC ↔ LCD CONTRAST ↔ TUNER AREA*3 ↔ A-LINK TEMP*4 ↔ DEMO ↔ CLOCK*1

CDA-9830

CLOCK*1 ↔ NORMAL/HI-FI/STABLE ↔ SUBW ↔ CD-DA/ CDDA/MP3 ↔ BEEP ↔ SCR ↔ MUTE ↔ INT ↔ AUX ↔ (AUX NAME)*2 ↔ PWR ↔ AREA ↔ DEMO ↔ CLOCK*1

**1 Refer to the "Setting Time" section (page 6).*
**2 Displayed only when AUX is ON.*
**3 Refer to the "Radio" section (page 8)*
**4 Displayed only when an external amplifier is connected.*

3 Turn the Rotary encoder to change the setting.
(e.g. Select BEEP ON or BEEP OFF.)

4 Press MENU to select RETURN.
The display returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *For the XM Radio settings, refer to "XM Radio (Optional)" (page 26), and for the MobileHub™Link settings, refer to "MobileHub™Link Operation (Optional)" (page 28).*
- *If no operation is performed within 15 seconds, the display returns to normal mode.*

Sound Customizing

Switching the Tuner Mode

TUNER MODE NORMAL (Initial setting) / HI-FI / STABLE

This unit incorporates the MAX TUNE SQ for the highest quality tuner audio. Moreover, you can choose between three settings to suit your own personal sound preferences and usage.

NORMAL: Standard setting
HI-FI: Sound quality priority setting
STABLE: Noiseless priority setting

- *If you find the sound is very noisy while listening to the tuner in Hi-Fi mode, we recommend you change to Normal mode.*

Subwoofer On and Off

SUBWOOFER ON (Initial setting) / SUBWOOFER OFF

When the subwoofer is on, perform the steps below to adjust the subwoofer output phase and level.

1 Press the Rotary encoder repeatedly to select the SUBW mode.

SUBW → BALANCE → FADER → DEFEAT → VOLUME → SUBW

2 Press I◄◄ or ►►I.
The subwoofer output phase is toggled SUBW NORMAL (0°) or SUBW REVERS (180°).
To adjust the level, turn the Rotary encoder.

Sound (Beep) Guide Function

BEEP ON (Initial setting) / BEEP OFF

This function will give audible feedback with varying tones depending upon the button pressed.

Visual Customizing

Dimmer Control (CDA-9831 only)

DIMMER AUTO (Initial setting) / DIMMER MANUAL

Set the DIMMER control to AUTO to decrease the illumination brightness of the unit with the head lights of the vehicle ON.This mode is useful if you feel the unit's backlighting is too bright at night.

Scroll Setting

TEXT SCROLL AUTO / TEXT SCROLL MANUAL (Initial setting)

This CD player can scroll the disc and track names recorded on CD-TEXT discs, as well as the text information of MP3/WMA files, folder names, and tags.

SCROLL AUTO : The CD text information, the text information of folder and file names, and the tags are scrolled automatically.
SCROLL MANUAL : The display is scrolled when a disc is loaded or when a track is changed, etc.

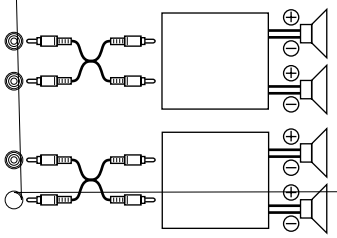
- *The unit scrolls CD text names, folder names, file names or tag display. The disc titles input manually (page 20) cannot be scrolled.*

Connecting to an External Amplifier

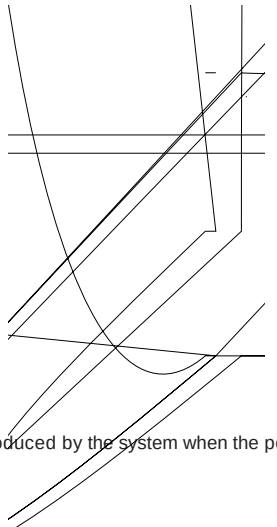
POWER-IC ON (Initial setting) / POWER-IC OFF

When an external amplifier is connected, sound quality can be improved by stopping the power supply of the built-in amplifier.

POWER-IC OFF : Use this mode when the front and rear pre-amplifier of the unit are used to drive an external amplifier connected to the speakers. In this setting, the head unit's internal amplifier has no output to drive speakers.



POWER-IC ON : The speakers are driven by the built-in amplifier.



- No sound is produced by the system when the power output is set to OFF.

Setting the Temperature Display for the External Amplifier (CDA-9831 only)

A-LINK TEMP °F(Initial setting) / °C

When a separately sold Amplifier Link compatible amplifier is connected, you can set how to display its temperature. You can switch the setting between Fahrenheit and Celsius.

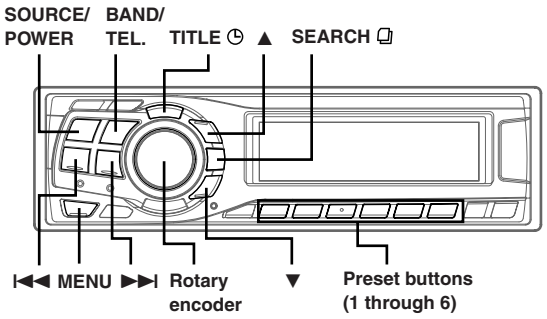
°F : The temperature is displayed in Fahrenheit.
°C : The temperature is displayed in Celsius.

Setting the Tone Defeat for External Devices

INT AUDIO ON / INT AUDIO OFF (Initial setting)

When inputting external devices to this unit, turning tone defeat on will bypass EQ and MX, i.e., sound for external devices is output at the default setting.

XM Radio (Optional)



Receiving XM Channels with the XM Receiver (Optional)

XM Satellite Radio* is the next generation of audio entertainment, with up to 100 brand-new digital channels. For a small monthly fee, subscribers can hear crystal-clear music, sports, news and talk, coast-to-coast via satellite. For more information, visit XM's website at www.xmradio.com or call 1-800-852-9696.

An optional XM Satellite Radio Receiver (TUA-T020XM) and an optional XM antenna may be connected to the CDA-9831/CDA-9830. With an XM Receiver connected to the Ai-NET input of the CDA-9831/CDA-9830, the XM Receiver will be controllable from the CDA-9831/CDA-9830.

* *XM and its corresponding logos are trademarks of XM Satellite Radio Inc.*

- *The controls on the CDA-9831/CDA-9830 for XM Receiver operation are operative only when an XM Receiver is connected.*
- *The XM1, XM2 or XM3 band illuminates when in XM mode.*

1 **Press SOURCE/POWER to select XM mode.**

2 **Press BAND/TEL. to select XM1, XM2 or XM3.**

Each press changes the band:

XM1 → XM2 → XM3 → XM1

3 **Press ▲ or ▼ to select desired category.**
Holding down ▲ or ▼ will change categories continuously.

4 **Press I◄◄ or ►►I to select the desired channel.**
Holding down I◄◄ or ►►I will change channels continuously.

- *When using the optional remote control (RUE-4190), an XM Channel can be directly called up with the numeric keypad of the remote control.*

1 While in XM Radio mode, enter the Channel number you want to call up with the numeric keypad on the remote control.

2 Press ENTER or + 10/OK on the remote control within 5 seconds to receive the XM Channel.
If the channel number is 3 digits, the XM Channel is automatically received after the channel number is input.

Checking the XM Radio ID Number

You need to provide XM with the unique XM Radio ID number for your XM Radio Receiver in order to subscribe to XM's programming.

This number is an 8 character alphanumeric number that is printed on a label directly on the XM Receiver.
It can also be displayed on the screen of the CDA-9831/CDA-9830 in the following way.

1 **While receiving XM1, XM2 or XM3, press I◄◄ or ►►I to select channel "0."**
The unit alternately displays "RADIO ID" for 2 seconds, then the ID number for 10 seconds.
While displaying "RADIO ID" as shown above, Blackout (page 20) and Demonstration (page 25) become nonfunctional.

2 **To cancel the ID number display, set the channel to other than "0."**

- *You cannot use "O," "S," I," or "F" for the ID Number.*
- *You can check your ID number printed on the label on the package of your XM Satellite Radio Receiver (TUA-T020XM).*

Storing XM Channel Presets

1 **Press BAND/TEL. to select the desired band (XM1, XM2 or XM3) you want to store.**

2 **After tuning in the desired channel, press and hold, for at least 2 seconds, any one of the preset buttons (1 through 6) into which you wish to store the channel.**
The selected station is stored.

3 **Repeat the procedure to store up to 5 other channels onto the same band.**

- *To use this procedure for other bands, simply select the band desired and repeat the procedure.*
- *A total of 18 channels can be stored in the preset memory (6 channels for each band; XM1, XM2 and XM3).*
- *If you store a channel in a preset memory which already has a station, the current channel will be cleared and replaced with the new one.*

Receiving Stored XM Channels

1 **Press BAND/TEL. to select the desired band (XM1, XM2 or XM3).**

XM1 → XM2 → XM3 → XM1

2 **Press the channel preset button that has your desired satellite channel in memory.**

Channel/Category Search Function

You can search for programs by Channel No. or Category.

1 Press SEARCH ❑ in the XM mode to select Channel Search mode or Category Search mode.

Channel Search mode:

2 Turn the Rotary encoder to select the desired Channel No.* within 10 seconds.

* *The Channel No. is selected within the selected Category.*

3 Press Rotary encoder to receive the selected Channel No.

- *Search mode is canceled by pressing and holding **SEARCH** ❑ for at least 2 seconds in Channel Search mode.*
- *While in Channel Search mode, press ▲ or ▼ to select the another Category.*
- *While in Channel Search mode, press **SEARCH** ❑ to switch to the Category Search mode.*

Category Search mode:

2 Turn the Rotary encoder to select the desired Category within 10 seconds.

3 Press Rotary encoder to receive the selected Category.

- *Search mode is canceled by pressing and holding **SEARCH** ❑ for at least 2 seconds in Category Search mode.*
- *While in Category Search mode, press **SEARCH** ❑ to switch to Channel Search mode.*

Quick Search Function

You can search for all Channels.

1 Press and hold SEARCH ❑ for at least 2 seconds in XM mode to activate Quick Search mode.

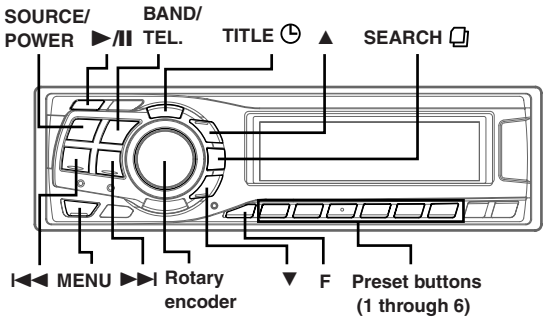
2 Turn the Rotary encoder to select the desired Channel within 10 seconds.
The selected Channel is received.

Changing the Display

Text information, such as the channel name, artist name/feature, and song/program title, is available with each XM channel. The unit can display this text information as explained below.

In XM mode, press

MobileHub™ Link Operation(Optional)



About MobileHub™ Link

Connect a separately sold junction box and a portable telephone (available from Nokia) to control the incoming and outgoing calls of the portable telephone.

Caution

Even with hands-free operation, a driver can be distracted during telephone operation or receiving a call. For the sake of safety, drivers are requested to refrain from operating the telephone while driving.
For the sake of safety, only incoming calls and Speed-Dial outgoing calls can be operated.

- *If a portable telephone is connected, its address book, incoming and outgoing history are downloaded to the junction box.*
- *Please refer to the instruction manual of the junction box.*

Telephone Mode ON/OFF

Press and hold BAND/TEL. for at least 2 seconds to turn on the Telephone mode.
To turn off, press BAND/TEL.
See relevant pages for each item.

- *"NO PHONE" is displayed for about 2 seconds, if a portable telephone is not connected, before entering the telephone mode. Then the mode returns to the original source mode*
- *When the portable telephone is taken off the junction box during an incoming or outgoing call, or during a hands-free call, the call will be treated as an ordinary one by the portable telephone.*
- *When there is an incoming call while the power of CDA-9831/CDA-9830 is off, the power of CDA-9831/CDA-9830 will turn on automatically for a hands-free call.*
- *Even if the power of the portable telephone is off, when CDA-9831/CDA-9830 is set to Telephone mode, the power of the portable telephone will be turned on.*
- *Even if the ACC power of the vehicle is turned off (even if the engine is stopped) during a hands-free call, the call is not disconnected, and an ordinary call by the portable telephone is possible.*
- *If there is an incoming call during operation (except an outgoing call or talking), operation mode will end and switch to the incoming or talking mode.*
- *An outgoing call from a portable telephone is also possible. However, you cannot perform different operations at the same time from a portable telephone and CDA-9831/CDA-9830 as malfunction can result.*
- *With a junction box connected outgoing, incoming, and sending history will also be recorded in the portable telephone.*
- *While telephoning, defeat is set to ON. When the call has finished, the unit returns to your previous setting.*
- *The telephone volume can be adjusted on the CDA-9831/CDA-9830. The volume you set during the call is memorized, and is automatically applied again on the next call.*
- *While telephoning or receiving incoming calls, press **TITLE** ◷ to show the Network Operator display for 5 seconds.*

Incoming Calls

1 **Press ►/II to receive an incoming call.**

2 **Press BAND/TEL. to finish a call.**
Telephone mode will end and return to the original source mode.

- *When the Automatic Calling mode is on, you can talk after 3 seconds of receiving the incoming call. (See "Setting the Automatic Calling" described below.)*

Setting the Automatic Calling

The incoming call can be switched to Automatic Calling or Manual Calling.

1 **Press MENU to select the SETUP mode.**

2 **Select the TELEPHONE (TEL for CDA-9830) mode by pressing I◄◄ or ►►I.**

3 **Turn the Rotary encoder to change to AUTO or MANUAL (MANU for CDA-9830).**

4 **Press MENU to select RETURN.**
The unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *Press **BAND/TEL.** during an incoming call to disconnect it.*
- *The initial setting of the factory is MANUAL.*

Calling

Calling by the address book

You can call up the address book registered in the portable telephone to call from.

1 **Press and hold BAND/TEL. for at least 2 seconds.**

2 **Press SEARCH to select Phone Book mode.**
A list in alphabetic order is displayed.

Retrieving an addressee by Alphabetic Sort List

3 **When displaying the Alphabetic Sort List, turn the Rotary encoder or press ⏮ or ⏭ to select the addressee.**

4 **Press ▶/II or Rotary encoder to place a call.**

5 **Press BAND/TEL. to end the call.**
Telephone mode will end and return to the original source mode.

Retrieving an addressee by Selecting Search (A-Z search)

3 **Press ▲ or ▼ to select an initial letter (A to Z) of the addressee.**

4 **Turn the Rotary encoder to select the addressee.**

5 **Press the Rotary encoder to place a call.**

6 **Press BAND/TEL. to end the call.**
Telephone mode will end and return to the original source mode.

- *If all telephone numbers and registered names cannot be displayed at once, press **TITLE** to show undisplayed numbers and names.*
- *"NO MEMORY" ("NO MEM" for CDA-9830) is displayed if nothing is registered in the Phone Book.*

Calling by using the Speed Dial

You can place a call by retrieving one of the telephone numbers registered in No. 1 to 9 of the address book.

1 **Press and hold BAND/TEL. for at least 2 seconds.**

2 **Within 5 seconds, place a call by pressing and holding the desired preset button (1 through 6) for at least 2 seconds.**
By pressing F, and then pressing a preset button (1 through 3) for at least 2 seconds, you can place a call to the number registered in 7 to 9.

- *You can place a call by pressing ▶/II after momentarily pressing the **preset button (1 through 6)** of the number you wish to call.*
- *You can place a call by pressing the **Rotary encoder**, after selecting a number which you wish to call, by pressing ⏮ or ⏭ , or by turning the **Rotary encoder**.*

3 **Press BAND/TEL. to end the call.**
Telephone mode will end and return to the original source mode.

- *If there is no telephone number registered to a preset button, "NO PRESET" ("NO P-SET" for CDA-9830) is displayed when you try to place a call.*

Calling by the outgoing/incoming/absent incoming history

You can place a call to any of the last 999 calls by the outgoing/incoming/absent incoming history.

1 **Press SEARCH in Phone Book mode to select the History mode.**

2 **Press ▲ or ▼ to select outgoing history (display example: "DIALED"), incoming history (display example: "RECEIVE"), absent incoming history (display example: "MISSED").**

3 **Turn the Rotary encoder, or press ⏮ or ⏭ to select the addressee from the outgoing or incoming history.**

4 **Press ▶/II or the Rotary encoder to place a call.**

5 **Press BAND/TEL. to end the call.**
Telephone mode will end and return to the original source mode.

- *If all telephone numbers and registered names cannot be displayed at once, press **TITLE** to show undisplayed numbers and names.*
- *"NO MEMORY" ("NO MEM" for CDA-9830) is displayed if there is no history.*

SMS (Short Message Service) Operation

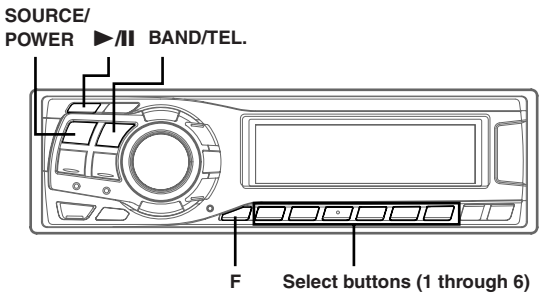
You can be informed when you receive a short message.

Receiving a short message

1 **When a text message is received, "NEW MESSAGE" for CDA-9831, or "NEW MSG" for CDA-9830 is indicated on the display.**
The contents of the received message can only be read from the portable phone's display.

2 **Press any one of the buttons on the unit to cancel the display. The buttons that are pressed will enter the mode or will be activated.**

Changer (Optional)



Controlling CD Changer (Optional)

An optional 6-disc or 12-disc CD Changer may be connected to this unit if it is Ai-NET compatible. With a CD Changer connected to the Ai-NET input of this unit, the CD Changer will be controllable from this unit.
Using the KCA-400C (Multi-Changer Switching device) or the KCA-410C (Versatile Link Terminal) multiple changers can be controlled by this unit.
See "Multi-Changer Selection" on this page for selecting the CD Changers.

- *The controls on this unit for CD Changer operation are operative only when a CD Changer is connected.*
- *The DVD changer (optional) is controllable from this unit as well as the CD changer.*

1 **Press SOURCE/POWER to activate the CHANGER mode.**
The display shows the disc number and track number.

- *The source indicator varies depending on the connected source.*
- *Press **BAND/TEL.** to switch the Disc mode in the CD/Changer mode.*

2 **Press the disc select buttons (1 through 6) corresponding to one of the discs loaded in the CD Changer.**
The selected disc number appears in the display and CD playback starts.

- *After selecting the desired disc, you can operate in the same way as for the CD player of this unit.*
  For details, please see the CD/MP3/WMA section.
- *If the "FUNC" indicator is illuminated, the disc select buttons become nonfunctional.*

When a 12-disc CD Changer is connected:
To select discs numbered from 1 to 6, the procedure is the same as for the 6-disc CD Changer. To select discs numbered from 7 to 12, first press F. This changes the "D" indicator to "d." Then press the desired preset button. With F activated, the preset buttons 1 to 6 will represent discs 7 to 12 respectively.

Playing MP3 Files with the CD Changer (Optional)

If you connect a changer compatible with MP3, you can play CD-ROMs, CD-Rs, and CD-RWs containing MP3 files on this unit.

1 **Press SOURCE/POWER to switch to the MP3 Changer mode.**

2 **Press any one of the disc select buttons (1 through 6) corresponding to one of the discs loaded in the CD Changer.**

3 **To pause playback, press ►/II.**
Pressing ►/II again will resume playback.

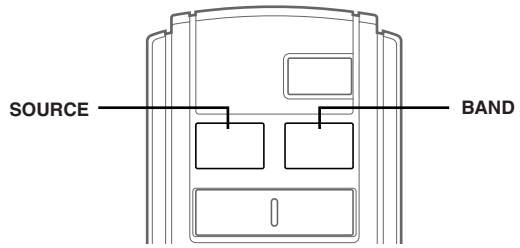
- *The unit can play discs containing both audio data and MP3 data.*
- *For operating MP3 with an MP3 compatible CD Changer, refer to "CD/MP3/WMA" pages 9 to 13.*

Multi-Changer Selection (Optional)

Alpine's Ai-NET system will support up to 6 CD Changers. When operating two or more changers, the KCA-400C (Multi-Changer Switching device) must be used. If you use 1 Switching device, you can connect up to 4 CD Changers. If you use 2 Switching devices, you can connect up to 6 CD Changers. When using KCA-410C (Versatile Link Terminal), you can connect two changers and two external outputs (AUX).

1 **Press SOURCE/POWER on this unit to activate the CD Changer mode.**

Alternatively, press SOURCE on the remote control (RUE-4187) to activate the CD Changer mode.



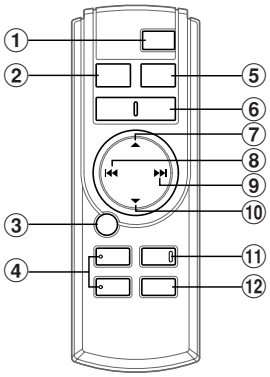
2 **Press BAND/TEL. on this unit or the RUE-4187 to activate the CD Changer Selection mode.**
The CD Changer Selection mode remains active for 8 seconds.

3 **Press BAND/TEL. until the desired CD Changer indicator appears on the display.**

Alternatively press BAND/TEL. on the Remote Control until the desired changer indicator appears on the display.

- *If the selected CD Changer is not connected, the display will show "NO CHANGER " ("NO CHGR" for CDA-9830).*
- *To operate the selected changer, see "CD/MP3/WMA"(page 9).*
- *For further details about the external input (AUX) when using KCA-410C, see "Setting the AUX Mode (V-Link)" on page 25.*

Remote Control



Controls on Remote Control

① **Power Button**
Press this button to turn the power on/off.

② **Source Button**
Press this button to select the audio source.

③ **►/II Button**
Press this button to switch between the Play and Pause modes for CD.

④ **TILT ▼▲ Buttons**
Press this button to adjust the angle of the movable display.

⑤ **Band/Program Button**
Radio mode: BAND Button
Press this button and the band will change.

CD/Changer mode: To switch the disc mode.

⑥ **Volume Adjustment Buttons**
To increase the volume level:
Press the [∧] button

To decrease the volume level:
Press the [∨] button

⑦ **▲ Button**
Radio mode: Pressing this button will select, in ascending order, stations programmed into the radio's presets as shown below.

[1] → [2] ... [6] → [1]

CD Changer mode: DISC Select (UP) button
Press this button to select a disc in ascending order.

MP3/WMA mode: Folder or Playlist Select (UP) button
Press this button to select the folder or playlist.

⑧ **I◄◄ DN Button**
Radio mode: SEEK (DN) Button
CD mode: Press this button to go back to the beginning of the current track.

⑨ **►►I UP Button**
Radio mode: SEEK (UP) button
CD mode: Press this button to advance to the beginning of the next track.

⑩ **▼ Button**
Radio mode: Pressing this button will select, in descending order, stations programmed into the radio's presets as shown below.

[6] → [5] ... [1] → [6]

CD Changer mode: DISC Select (DN) button
Press this button to select a disc in descending order.
MP3/WMA mode: Folder or Playlist Select (DN) button
Press this button to select the folder or playlist.

⑪ **Mute Button**
Press this button to lower the volume by 20 dB instantly.
Press this button again to cancel.

⑫ **Audio Processor Button**
Each press of the button changes the audio processor mode.
For details, refer to "Operating the Audio Processor" as shown below.
Press the button to call the external audio processor mode when the external audio processor is connected.*1

*1 *For the operation of external audio processor, refer to the Owner's Manual of the external audio processor you purchased.*

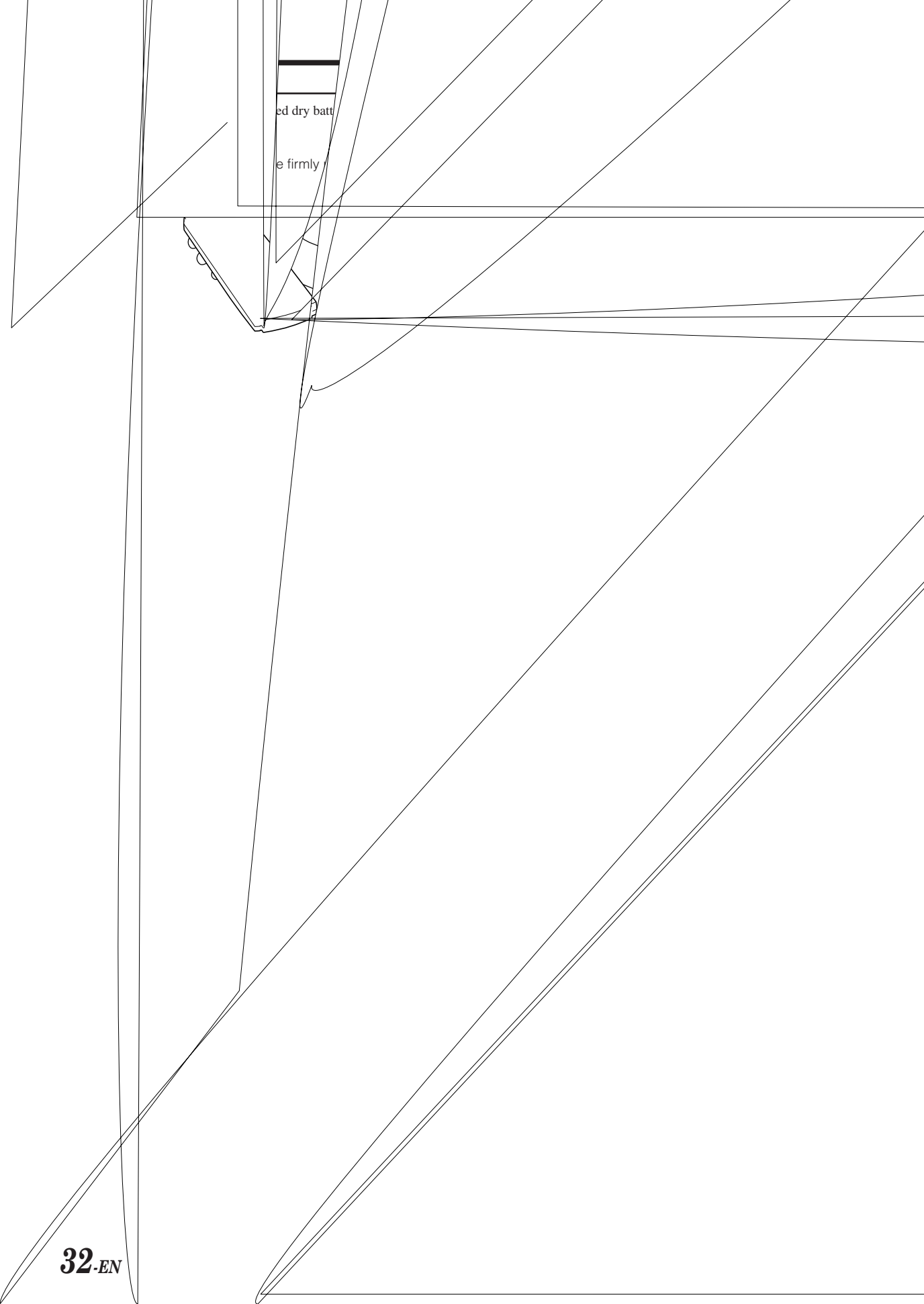
Operating the Audio Processor

1 **Press A.PROC to select the mode.**

Normal mode → EQ mode (Equalizer Presets) → Time Correction mode (Recalling the Stored Time Correction) → Crossover mode (Recalling the Stored built-in Crossover) → Normal mode

2 **Press ▲ or ▼ to select the item.**

EQ mode:
Select from FLAT(OFF), ROCK, POPS, JAZZ & BLUES (JAZZ), ELECTRICAL (ELECTRIC), HIPHOP & RAP (HIPHOP), EASY LISTEN (EASY), COUNTRY, CLASSICAL (CLASSIC), NEWS, USER'S EQ 1,2 (USERS 1,2).
Time Correction mode/Built-in Crossover mode:
Select from MEMORY 1 or 2.


ed dry batt
e firmly

CD

CD Player/Changer not functioning.

- Out of operating temperature range +50˚C (+120˚F) for CD.
  - Allow the vehicle's interior (or trunk) temperature to cool.

CD playback sound is wavering.

- Moisture condensation in the CD Module.
  - Allow enough time for the condensation to evaporate (about 1 hour).

CD insertion not possible.

- A CD is already in the CD player.
  - Eject the CD and remove it.
- The CD is being improperly inserted.
  - Make sure the CD is being inserted following instructions in the CD Player Operation section.

Unable to fast forward or backward the CD.

- The CD has been damaged.
  - Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.

CD playback sound skips due to vibration.

- Improper mounting of the unit.
  - Securely re-mount the unit.
- The disc is very dirty.
  - Clean the disc.
- The disc has scratches.
  - Change the disc.
- The pick-up lens is dirty.
  - Do not use a commercial available lens cleaner disc. Consult your nearest ALPINE dealer.

CD playback sound skips without vibration.

- The disc is dirty or scratched.
  - Clean the disc; damaged disc should be replaced.

Error displays (built-in CD player only)

- Mechanical error
  - Press ⏏. After the error indication disappears, insert the disc again. If the above-mentioned solution does not solve the problem, consult your nearest ALPINE dealer.

CD-R/CD-RW playback not possible

- Close session (finalization) has not been performed.
  - Perform finalization and attempt playback again.

MP3/WMA

MP3 or WMA is not played back.

- Writing error occurred. The CD format is not compatible.
  - Make sure the CD has been written in a supported format. Refer to “About MP3/WMA” (page 12-13), then rewrite in the format supported by this device.

Indication for CD Player

HIGH-TEMP (CDA-9831) **HI TEMP** (CDA-9830)

- Protective circuit is activated due to high temperature.
  - The indicator will disappear when the temperature returns to within operation range.

NO DISC

- No CD is inserted.
  - Insert a CD.
- Although a disc is inserted, “NO DISC” is displayed and the unit does not start to play or eject the disc.
  - Remove the disc by following these steps:
  1) Press the ⏏ button.
     The movable display will open.
  2) Press the ⏏ button again for at least 2 seconds while the movable display is open.

ERROR

- Mechanism error.
  1) Press the ⏏ button and eject the CD.
     If not ejecting, consult your Alpine dealer.
  2) When the error indication remains after ejecting, press the ⏏ button again.
     If the error indication still does not turn off after pressing the ⏏ button for a few times, consult your Alpine dealer.
- *When “ERROR” is displayed:*
  If the disc cannot be ejected by pressing ⏏, press the RESET switch (refer to page 6) and press ⏏ again.
  If the disc still cannot be ejected, consult your Alpine dealer.

PROTECT

- A copy-protected WMA file was played back.
  - You can only play back non-copy-protected files.

UNSUPPORT (CDA-9831) **UNSUPORT** (CDA-9830)

- The disc is not written in a MP3/WMA supported format.
  - Use a disc written at the MP3/WMA supported format.

Indication for CD Changer

HIGH-TEMP (CDA-9831) **HI TEMP** (CDA-9830)

- Protective circuit is activated due to high temperature.
  - The indicator will disappear when the temperature returns to within operation range.

ERROR - 01

- Malfunction in the CD Changer.
  - Consult your Alpine dealer. Press the magazine eject button and pull out the magazine.
    Check the indication. Insert the magazine again.
    If the magazine cannot be pulled out, consult your Alpine dealer.
- Magazine ejection not possible.
  - Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.

ERROR - 02

- A disc is left inside the CD Changer.
  - Press the eject button to activate the eject function. When the CD Changer finishes the eject function, insert an empty CD magazine into the CD Changer to receive the disc left inside the CD Changer.

NO MAGZINE (CDA-9831) **NO MAGZN** (CDA-9830)

- No magazine is loaded into the CD Changer.
  - Insert a magazine.

NO DISC

- No indicated disc.
  - Choose another disc.

Indication for XM Radio Mode

ANTENNA

- The XM antenna is not connected to the XM radio module.
  - Check whether the XM antenna cable is attached securely to the XM radio module.

UPDATING

- Radio is being updated with latest encryption code.
  - Wait until encryption code is being updated. Channels 0 and 1 should function normally.

NO SIGNAL (CDA-9831) **NO SIGNL** (CDA-9830)

- XM signal is too weak at the current location.
  - Wait until the car reaches a location with a stronger signal.

LOADING

- Radio is acquiring audio or program information.
  - Wait until the radio has received the information.

OFF AIR

- The channel currently selected has stopped broadcasting.
  - Select another channel.

– – – – – – (CDA-9831) **– – – –** (CDA-9830)

- The user has selected a channel number that does not exist or is not subscribed to.
  - The unit will revert back to the previously selected channel.
- There is no artist name/feature, song/program title, or additional information associated with the channel at that time.
  - No action needed.

Specifications

FM TUNER SECTION

Tuning Range	87.7 – 107.9 MHz
Mono Usable Sensitivity	9.3 dBf (0.8 µV/75 ohms)
50 dB Quieting Sensitivity	13.5 dBf (1.3 µV/75 ohms)
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	80 dB
Stereo Separation	45 dB
Capture Ratio	2.0 dB

AM TUNER SECTION

Tuning Range	530 – 1,710 kHz

Installation and Connections

Before installing or connecting the unit, please read the following and pages 3 to 5 of this manual thoroughly for proper use.

⚠ Warning

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury.
If swallowed, consult a physician immediately.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

⚠ Caution

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

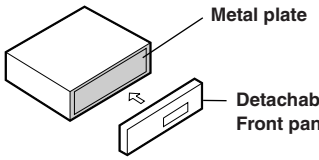
- Be sure to disconnect the cable from the (–) battery post before installing your CDA-9831/CDA-9830. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system.
- When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the CDA-9831/CDA-9830 to the fuse box, make sure the fuse for the intended circuit of the CDA-9831/CDA-9830 has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your ALPINE dealer.
- The CDA-9831/CDA-9830 uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors. You may need an adaptor to connect other units. If so, please contact your authorized ALPINE dealer for assistance.
- Be sure to connect the speaker (–) leads to the speaker (–) terminal. Never connect left and right channel speaker cables to each other or to the vehicle body.

IMPORTANT

Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number plate is located on the bottom of the unit.

SERIAL NUMBER: _____
INSTALLATION DATE: _____
INSTALLATION TECHNICIAN: _____
PLACE OF PURCHASE: _____

Installation

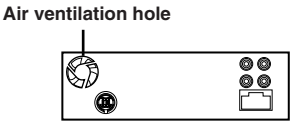


Caution

When you install this unit in your car, do not remove the detachable front panel.
If the detachable front panel is removed during installation, you might press too hard and warp the metal plate that holds it in place.

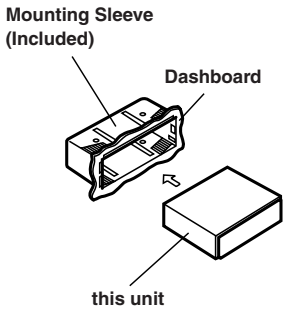
Caution

Do not block the unit's fan or heat sink, thus preventing air circulation. If blocked, heat will accumulate inside the unit and may cause a fire.



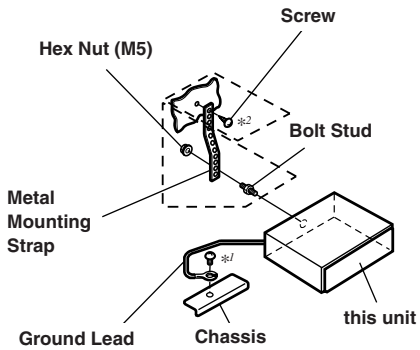
(Rear of CDA-9831/CDA-9830)

1



Slide the mounting sleeve into the dashboard.

2

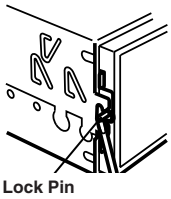


Reinforce the head unit with the metal mounting strap (not supplied). Secure the ground lead of the unit to a clean metal spot using a screw (*1) already attached to the vehicle's chassis.

- *For the screw marked "*2", use an appropriate screw for the chosen mounting location.*

Connect each input lead coming from an amplifier or equalizer to the corresponding output lead coming from the left rear of the CDA-9831/CDA-9830. Connect all other leads of the CDA-9831/CDA-9830 according to details described in the CONNECTIONS section.

3



Slide the CDA-9831/CDA-9830 into the dashboard. When the unit is in place, make sure the locking pins are fully seated in the down position. This can be done by pressing firmly in on the unit while pushing the locking pin down with a small screwdriver. This ensures that the unit is properly locked and will not accidentally come out from the dashboard. Install the detachable front panel.

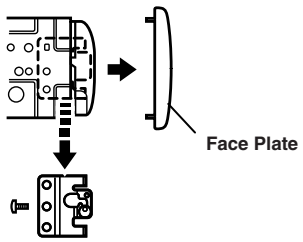
Removal

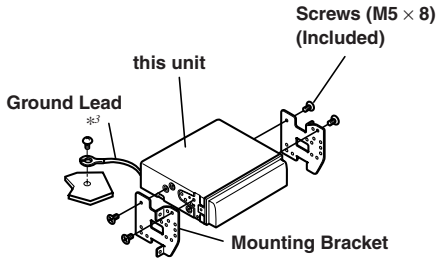
1 Remove the detachable front panel.

2 Use a small screwdriver (or similar tool) to push the locking pins to the "up" position (see above drawing). As each pin is unlocked, gently pull out on the unit to make sure it does not re-lock before unlocking the second pin.

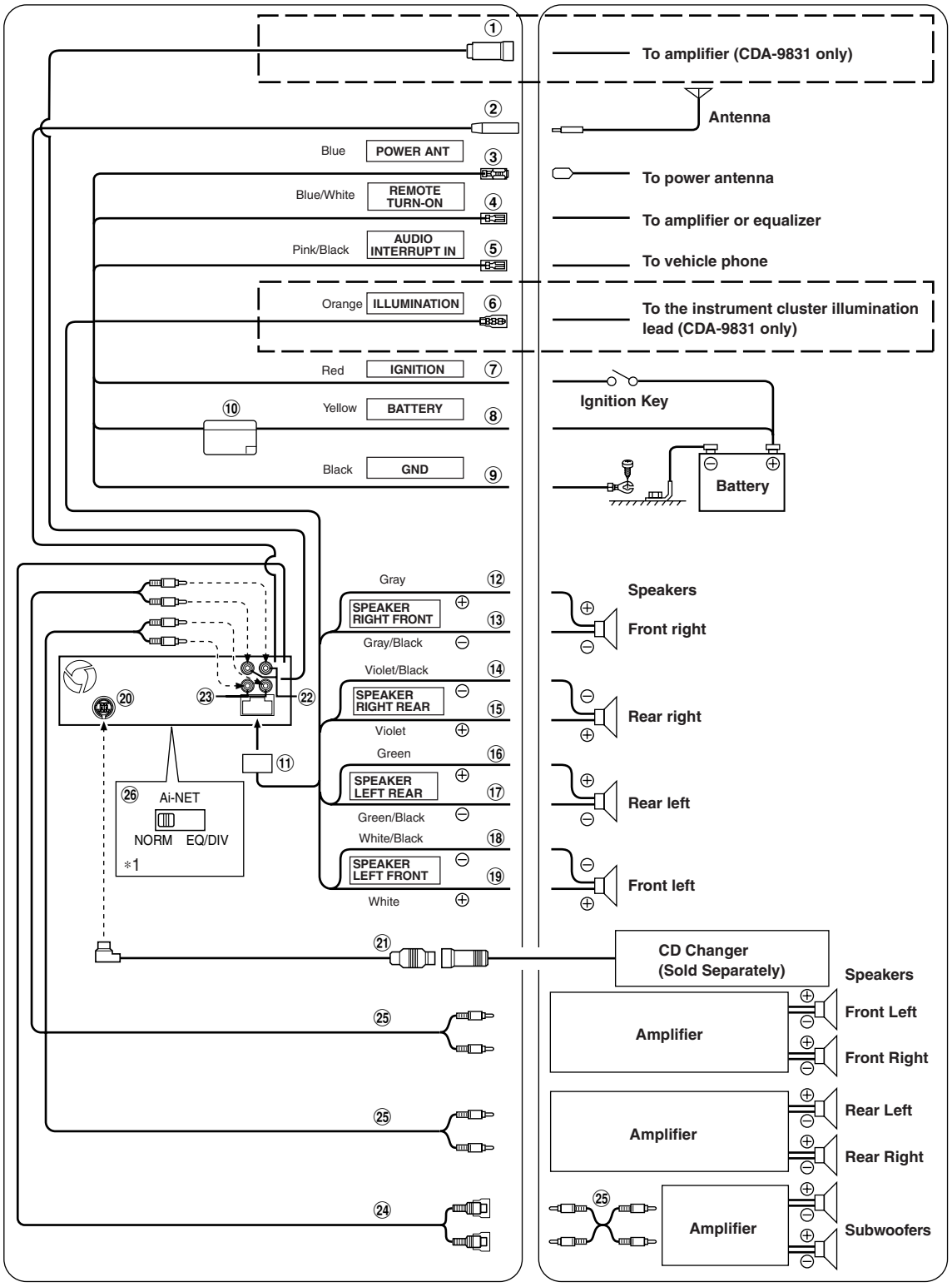
3 Pull the unit out, keeping it unlocked as you do so.

<JAPANESE CAR>





- *Secure the ground lead of the unit to a clean metal spot using a screw (*3) already attached to the vehicle's chassis.*



* 1 The label is attached on the bottom of the unit.

① Amplifier Link Connector
Outputs Amplifier Link control signals. Connect this to a separately sold Amplifier Link-compatible amplifier, using the (also separately sold) Amplifier Link box KCE-510M.

② Antenna Receptacle

③ Power Antenna Lead (Blue)
Connect this lead to the +B terminal of your power antenna, if applicable.

This lead should be used only for controlling the vehicle's power antenna. Do not use this lead to turn on an amplifier, or a signal processor, etc.

④ Remote Turn-On Lead (Blue/White)
Connect this lead to the remote turn-on lead of your amplifier or signal processor.

⑤ Audio Interrupt In Lead (Pink/Black)

⑥ Illumination Lead (Orange) (CDA-9831 only)
This lead may be connected to the vehicle's instrument cluster illumination lead. This will allow the backlighting of the CDA-9831 to dim whenever the vehicle's lights are turned on.

⑦ Switched Power Lead (Ignition) (Red)
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.

⑧ Battery Lead (Yellow)
Connect this lead to the positive (+) post of the vehicle's battery.

⑨ Ground Lead (Black)
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

⑩ Choke Coil with Fuse Holder (10A)

⑪ Power Supply Connector

⑫ Right Front (+) Speaker Output Lead (Gray)

⑬ Right Front (–) Speaker Output Lead (Gray/Black)

⑭ Right Rear (–) Speaker Output Lead (Violet/Black)

⑮ Right Rear (+) Speaker Output Lead (Violet)

⑯ Left Rear (+) Speaker Output Lead (Green)

⑰ Left Rear (–) Speaker Output Lead (Green/Black)

⑱ Left Front (–) Speaker Output Lead (White/Black)

⑲ Left Front (+) Speaker Output Lead (White)

⑳ Ai-NET Connector
Connect this to the output or input connector of another device (CD Changer, Equalizer, etc.) equipped with Ai-NET.

You can input TV/video sound by connecting an optional Ai-NET/RCA Interface cable (KCA-121B) to this component.

㉑ Ai-NET Cable (Included with CD Changer)

㉒ Front Output RCA Connectors
RED is right and WHITE is left.

㉓ Rear Output RCA Connectors
RED is right and WHITE is left.

㉔ Subwoofer RCA Connectors
RED is right and WHITE is left.

㉕ RCA Extension Cable (sold separately)

㉖ System Switch
When connecting a processor or divider using Ai-NET, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.

Be sure to turn the power off to the unit before changing the switch position.

To prevent noise/interference in the audio system.
- Locate the unit and route the leads at least 10 cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or Alpine at one of the telephone numbers listed below.

●PRODUCTS COVERED:

This Warranty covers Car Audio/Visual Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

●LENGTH OF WARRANTY:

This Warranty is in effect for one year from the date of the first consumer purchase.

●LIFETIME TAPE HEAD WARRANTY:

All Alpine Car Audio analog tape heads excluding Video tape heads are warranted for life against manufacturing defects causing failure.

●WHO IS COVERED:

This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

●WHAT IS COVERED:

This Warranty covers defects in materials or workmanship (parts and labor) in the product.

●WHAT IS NOT COVERED:

This Warranty does not cover the following:

① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
② Damage caused by accident, abuse, negligence, misuse, improper connections, improper operation or failure to follow instructions contained in the Owner's manual.
③ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature.
④ Any cost or expense related to the removal or reinstallation of the product.
⑤ Service performed by an unauthorized person, company or association.
⑥ Any product which has the serial number defaced, altered or removed.
⑦ Any product which has been adjusted, altered or modified without Alpine's consent.
⑧ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
⑨ Any product not purchased from an Authorized Alpine Dealer.
⑩ Any product that has been determined to contain an excessive amount of dust or dirt and any product that contains other contaminants including liquid or foreign objects.

●HOW TO OBTAIN WARRANTY SERVICE:

① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.
② You should provide a detailed description of the problem(s) for which service is required.
③ You must supply proof of your purchase of the product.
④ You must package the product securely to avoid damage during shipment.

●HOW WE LIMIT IMPLIED WARRANTIES:

ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT.

●HOW WE EXCLUDE CERTAIN DAMAGES:

ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM "INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

●HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:

This Warranty gives you specific legal rights, and you may also have other rights which vary form state to state and province to province. In addition, some states/provinces do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, limitations as to these matters contained herein may not apply to you.

●IN CANADA ONLY:

This Warranty is not valid unless your Alpine car audio product has been installed in your vehicle by an Authorized Installation Center, and this warranty stamped upon installation by the installation center.

●HOW TO CONTACT CUSTOMER SERVICE:

Should the product require service, please call the following number for your nearest Authorized Alpine Service Center.

U.S.A.	**1-800-ALPINE-1 (1-800-257-4631)**
CANADA	**1-800-ALPINE-1 (1-800-257-4631)**

Alpine Electronics of America, Inc., 19145 Gramercy Place, Torrance, California 90501, U.S.A.
Alpine Electronics of Canada, Inc., Suite 203, 7300 Warden Ave. Markham, Ontario, L3R 9Z6, Canada